

**Remedial Progress Report  
Former Allison Plant 10  
700 North Olin Avenue  
Indianapolis, Indiana  
VRP #6991004**

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## Acronyms and Abbreviations

AEC	Allison Engine Company
AGT	Former General Motors Corporation, Allison Gas Turbine Division
amsl	above mean sea level
AS/SVE	Air Sparge/Soil Vapor Extraction
bgs	below ground surface
BHT	BHT Corporation
cDCE	cis-1,2-Dichloroethene
COC	Chemicals of Concern
DTW	Depth of Water
EBSA	East Bioremediation Source Area
ESA	Eastern Source Area
ENVIRON	ENVIRON International Corporation
Genuine Parts	Genuine Parts Company
IC	Institutional Control(s)
IDEM	Indiana Department of Environmental Management
µg/L	Micrograms per liter
mg/L	Milligrams per liter
NRCGs	Non-Residential Cleanup Goals
Pace	Pace Analytical Services, Inc.
PAH	Polynuclear aromatic hydrocarbons
PCE	Perchloroethene (Tetrachloroethene)
PID	photoionization detector
PVC	polyvinyl chloride
RCGs	Residential Cleanup Goals
QA/QC	quality assurance/quality control
RWP	Remedial Work Plan
Site	Plant 10 in Indianapolis, Indiana
SOP	standard operating procedure
TCE	Trichloroethene
VC	Vinyl chloride
VOC	Volatile organic compound
VRP	Voluntary Remediation Program
WSA	Western Source Area

## Executive Summary

ENVIRON International Corporation (ENVIRON) was retained by the Genuine Parts Company (Genuine Parts) to continue remediation of volatile organic compound (VOC) groundwater contamination at the former General Motors Corporation, Allison Gas Turbine Division (AGT) Plant 10 in Indianapolis, Indiana (Site). Regulatory closure of the Site is being administered through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) under Site number 6991004. This report summarizes remedial progress based on historical data and the results of semi-annual groundwater sampling conducted in April of 2013.

### On-Site Remedial Progress

On-site remedial objectives, the VRP Tier II Non-Residential Cleanup Goals, have been essentially achieved. Concentrations of vinyl chloride (VC) and trichloroethene (TCE) in the Western Source Area (WSA) and TCE in the Eastern Source Area (ESA) occasionally fluctuate above and below their respective Tier II Cleanup Goals.

Some rebound of groundwater TCE concentrations has been observed in MW-10-1R in the ESA since the remediation system was turned off in 2006. No rebound has been observed in down-gradient monitoring wells MW-151 and MW-156. Continued monitoring in the ESA will be performed to evaluate plume stability and whether additional remedial efforts are needed in this area.

The Southwest Air Sparge/Soil Vapor Extraction (AS/SVE) Remediation System was turned off in June of 2010. TCE concentrations in MW-153 have exceeded the Tier II cleanup goal the last two sampling events. This trend will be monitored. TCE concentrations in down-gradient wells MW-161 and MW-165S remain below cleanup goals and no rebound has been observed.

### Off-Site Remedial Progress

The off-site groundwater plumes from both the WSA and ESA are stable or decreasing and, in response, the IDEM approved a reduced groundwater monitoring program in May 2011. The April 2013 groundwater data indicate continued stable or decreasing concentrations in all off-Site wells.

## 1 Introduction

ENVIRON International Corporation (ENVIRON) was retained by the Genuine Parts Company (Genuine Parts) to continue remediation of volatile organic compound (VOC) groundwater contamination at the former General Motors Corporation, Allison Gas Turbine Division (AGT) Plant 10 in Indianapolis, Indiana (Site). Regulatory closure of the Site is being administered through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) under Site number 6991004. This report summarizes remedial progress based on the results of semi-annual groundwater sampling conducted in April of 2013.

## 2 Site Background

The Site is located at 700 North Olin Avenue, Indianapolis, Marion County, Indiana (Figure 1) and is the former General Motors Corporation, Allison Gas Turbine Division (AGT) Plant 10. Between 1956 and 1973, BHT Corporation (BHT) operated the facility for carburetor and brake re-manufacturing. General Motors purchased the property from BHT in 1973 and used the facility for warehousing obsolete machines, tooling, and fixtures until the mid-1980s, at which time the property became part of the AGT Division. BHT became part of Genuine Parts, through acquisition and merger, subsequent to the sale of the property to General Motors. AGT continued to use the facility for warehousing until December 1993 when the property was sold to the Allison Engine Company (AEC). AEC sold the facility to Associated Properties, Inc. in 1998. Associated Properties, Inc. sold the facility to American Art Clay Company, Inc. in 2002. American Art Clay Company, Inc. sold the facility to the current property owner, Faris Mailing, Inc., in 2012.

### *Sources of Contamination*

Two source areas were identified at the Site during extensive characterization activities: (1) an eastern source area (ESA) associated with former solvent use, and (2) a western source area (WSA) associated with historic degreasing and industrial waste burial activities. A small anomalous area of TCE occurrence in groundwater was also noted to the east of the Site at the intersection of Olin Avenue and Walnut Street. This area is referred to as the East Bioremediation Source Area (EBSA). A complete summary of on- and off-site investigation activities is provided in Section 4.0 of the Final Remediation Work Plan (RWP) (KERAMIDA, 2004).

### *Chemicals of concern (COC)*

COC identified at the Site include VOCs, polynuclear aromatic hydrocarbons (PAH), cadmium, chromium, and lead. The primary VOCs that require remediation include TCE and daughter products cis-1,2-dichloroethene (cDCE) and vinyl chloride (VC).

### *Cleanup Criteria*

VRP Tier II Non-Residential Cleanup Goals (NRCGs) are the cleanup criteria for on-Site soils and groundwater (Section 6.0 of Final RWP). As approved in the March 2005 IDEM Modified RWP Approval letter, VRP Tier II Residential Cleanup Goals (RCGs) are the cleanup criteria for VOC in off-site groundwater attributable to the Site. There are other off-Site contributing sources to the off-Site groundwater plume.

In recognition that achieving groundwater RCGs off-Site was not likely because of the presence of off-Site sources, the IDEM RWP Approval letter contemplated the viability of an exposure prevention remedy through demonstration of plume stability as an alternate closure criterion. The technical basis for this approach considered:

- potable water is provided to the area by a municipal water supply
- the Site and surrounding area is in a Marion County No Well Zone that prohibits the installation of water supply wells

The seven year plume stability demonstration was successfully completed and documented in the March 15, 2011 Remedial Progress Report. In the May 26, 2011 IDEM letter response to the progress report, IDEM confirmed that the No Well Zone was an acceptable institutional control (IC) for exposure prevention provided that exposure control for pre-existing wells in the No Well Zone is effectively implemented over the life of the plume.

Groundwater cleanup goals protective of the vapor intrusion pathway were calculated for the anomalous area of TCE occurrence east of the Site near the intersection of Olin Avenue and Walnut Street. A level of 1,800 micrograms per liter ( $\mu\text{g}/\text{L}$ ) was calculated for TCE, 104,000  $\mu\text{g}/\text{L}$  for cDCE, and 198  $\mu\text{g}/\text{L}$  for VC. Documentation on the calculation of these cleanup goals is provided in the June 10, 2005 Bioremediation Report prepared by KERAMIDA for the Site.

*Modified Groundwater Monitoring Program*

Based upon the plume stability demonstration, a reduced groundwater monitoring plan was proposed and accepted with minor modification by the IDEM in the May 26, 2011 letter response. The approved changes to the groundwater monitoring plan included:

- Discontinued monitoring of the following WSA wells:
  - On-Site: MW-132R, MW-133R, MW-145, MW-147AR, and MW-302
  - Off-Site: MW-160, MW-167S, MW-169S, and MW-169D
- Discontinued monitoring of the following ESA wells:
  - On-Site: MW-135, MW-200
  - Off-Site: MW-301,
- Discontinued monitoring of the following EBSA wells:
  - IW-1 and IW-2
- Discontinued analysis for PAH and metals
- Reduction in monitoring frequency from quarterly to semi-annually

### 3 Remediation Overview

Remedial measures implemented to date at the Site include:

- excavation and disposal of buried debris and contaminated soil from the WSA
- installation and operation of VOC groundwater remediation systems in the WSA and ESA
- phytoremediation along the entire southern Site property boundary to mitigate groundwater plume migration
- bioremediation in the EBSA
- quarterly groundwater monitoring beginning in 2003 to evaluate remedial progress and plume stability.

A summary of each remedial measure is provided below.

#### WSA

##### April-July 2001 Removal Action

Several areas of buried debris were defined in the western portion of the Site using geophysical techniques. Between April and July of 2001, approximately 10,000 tons of buried debris and contaminated soil was excavated over an approximately 0.5-acre area and properly disposed at a permitted hazardous waste landfill. Confirmation soil sampling conducted during the removal action verified that all source material in the burial areas was removed and soil remedial objectives were achieved.

During the removal action, it was observed that some buried debris extended beneath the western portion of the Site building. Soil borings advanced inside the building indicated the debris layer extended approximately 100 feet to the east and approximately 75 feet north from the southwest corner of the building. The average thickness of the debris was approximately three feet. Based on these dimensions, it was estimated that approximately 1,100 tons of debris remains beneath the building. Removal of the debris is not feasible without demolition of the building. As stated in the IDEM approved RWP, ICs will be implemented as an exposure prevention remedy for this area of the building.

##### August –October 2006 Removal Action

Concurrent with the initial removal action, an area of TCE and lead soil impacts referred to as the “Hot Spot” was discovered along the western property boundary near Holt Road during a Site-wide soil investigation. The “Hot Spot” area was addressed through expansion of the AS/SVE system as discussed below. TCE and cDCE concentrations in groundwater down-gradient of this area continued to fluctuate above and below their respective NRCGs after implementation of the AS/SVE. Therefore, a subsequent soil removal action was conducted in the “Hot Spot” area. Between August and October 2006, a total of approximately 8,500 tons of additional impacted soil was removed and properly disposed at a permitted hazardous waste landfill. Confirmation soil samples indicated one small area of VOC soil impacts above the remedial objectives remained at the Holt Road entrance. Because of the close proximity to Holt Road, no further excavation was performed.

### *Phytoremediation and Air Sparge/Soil Vapor Extraction (AS/SVE) Systems*

Prior to the installation of the systems, phytoremediation was implemented along the entire southern property boundary of the Site to mitigate groundwater plume migration. AS/SVE Systems were installed to remediate VOCs in groundwater in the WSA and ESA. Two systems (Northwest and Southwest) were installed in the WSA and one system (East) was installed in the ESA. The systems began operation in July 2001. The Northwest System was operated until December 2003. The East SVE/AS remediation System was shut down in January 2006 subsequent to achieving groundwater remedial objectives. Subsequent soil confirmation sample data collected from the East SVE/AS area also indicated the soil media had achieved remedial objectives. The Southwest system continued to operate because of fluctuating VOC levels in MW-148AR and MW-153. With the approval of IDEM, this system was subsequently shut down in June of 2010. A complete summary of the selection, design, and installation of the AS/SVE systems was documented in Section 8.2 of the Final RWP.

The Final RWP also identified a plan to expand the WSA AS/SVE System to remediate the previously discussed "Hot Spot" area. The expansion included the installation of four additional nested SVE wells, associated subsurface piping, and their connection to the AS/SVE System during the period of August 25 through September 18, 2003. The expansion was documented in Section 8.3 of the Final RWP. The AS/SVE system expansion was operated until 2006, at which time the decision was made to conduct the previously described 2006 removal action.

### *East Off-Site (Bio-Remediation) Area*

A small anomalous area of TCE occurrence in groundwater was noted in the area of MW-163 located to the east of the Site across Olin Avenue. As a protective measure, this area underwent remediation by reductive dechlorination. Remedial objectives for this area were developed for the vapor intrusion pathway. Cleanup goals calculated for this pathway were 1,800 µg/L for TCE, 104,000 µg/L for cDCE, and 198 µg/L for VC. Remediation consisted of reductive dechlorination through addition of a biodegradable carbon source to stimulate biological activity. Corn syrup was used as the carbon source. The Corn syrup injection system was installed in March 2004. Monitoring well MW-173 was installed at this time to monitor bioremediation progress. Full-scale corn syrup injections were conducted in July 2004; October 2004; and October 2006. The most recent COC concentrations in IW-1, IW-2, MW-163, and MW-173 are below Site-specific remedial objectives.

## 4 Field Methods

### 4.1 Semi-annual Groundwater Sampling Methods

The April 2013 semi-annual groundwater sampling was conducted using low-flow purge techniques in accordance with ENVIRON SOPs in Appendix A. Nineteen wells were planned to be sampled in accordance with revised groundwater monitoring plan approved by IDEM in their May 26, 2011 letter. Monitoring well MW-161 located along the banks of Little Eagle Creek was flooded and infiltrated with sediment. This well will be re-developed and sampled during the next sampling event.

The monitoring wells were sampled using a bladder pump and low-flow purge techniques in accordance with ENVIRON SOPs. Prior to sampling, the wells were gauged with an electronic water level indicator to collect water level data for determination of pump depth. After stabilization of water quality parameters, groundwater samples were collected from the monitoring wells and placed in an ice-packed cooler. Groundwater samples were submitted under proper chain of custody to Pace Analytical Laboratories for analysis of VOC by EPA Method 8260B. The Data Quality Level for all analysis was Level II. Groundwater sample information sheets are provided in Appendix B.

## 5 Groundwater Analytical Results

Analytical results from April 2013 groundwater sampling event are discussed in the following sections.

### 5.1 Liquid Level Measurements

Liquid level data from the April 2013 sampling event are summarized in Table 1. Groundwater elevations in April 2013 ranged from 696.30 to 700.58 feet above mean sea level (amsl) in the shallow wells and from 696.03 to 699.78 feet amsl in the deep monitoring wells. The interpreted groundwater potentiometric surfaces derived from the shallow and deep monitoring well data are depicted on Figures 2 and 3, respectively. Both the shallow and deep well groundwater potentiometric surfaces indicated a southerly flow pattern across the study area at a hydraulic gradient in the range of approximately 0.002 consistent with historical observations.

### 5.2 Laboratory Analytical Results

VOC analytical results from the shallow and deep monitoring wells are summarized in Tables 2 and 3, respectively, and are depicted in Figures 4 and 5. Laboratory analytical reports are provided in Appendix C. Concentration graphs for individual wells are included in Appendix D. A discussion of the results is presented in Section 6.

## 6 Remedial Progress Status

The status of remedial progress for each source area is discussed in the following sections.

### 6.1 Western Source Area

#### Soil

Except for one confirmation soil sample collected at the Holt Road entrance, soil remedial objectives have been achieved. This single location is considered *de minimis* and no further soil remediation is planned.

#### On-site Groundwater

COC concentrations were below NRCGs in all on-Site monitoring wells in April 2013, with the exception of MW-153. TCE was detected in MW-153 at a concentration of 299 ug/l, which is greater than its NRCG of 260 ug/l.

#### Off-site Groundwater

cDCE and VC groundwater concentrations continue to remain above the RCGs, but are stable or trending downward.

### 6.2 Eastern Source Area

#### Soil

Confirmation soil sample results indicate soil remedial objectives have been achieved.

#### On-site Groundwater

COC concentrations were below NRCGs in all on-Site monitoring wells in April 2013, with the exception of TCE in the source area well MW-10-1R. TCE concentrations in MW-10-1R have been above the NRCG since September 2010. TCE concentrations in down-gradient monitoring wells remain stable.

#### Off-site Groundwater

TCE concentrations continue to exceed the RCGs, however, the TCE concentrations are generally stable or decreasing. TCE results from April 2013 indicate that the stable trend is continuing.

### 6.3 East Off-Site Area

Key locations used to evaluate bioremediation progress in the East Off-Site Source area include monitoring wells MW-163 and MW-173. The calculated residential TCE cleanup goal in this area is 1,800 ug/l, which is protective of the vapor intrusion pathway. The April 2013 TCE concentrations in these wells were below the calculated RCG and the TCE concentration trends in these wells continue to be stable. Field parameters generally indicate that the aquifer has returned to ambient conditions prior to bioremediation treatment.

## 7 Conclusions

Based on the historical data and the April 2013 groundwater data, the following is concluded:

### On-Site Remedial Progress

On-site remedial objectives, the VRP Tier II Non-Residential Cleanup Goals, have been essentially achieved. Concentrations of vinyl chloride (VC) and trichloroethene (TCE) in the Western Source Area (WSA) and TCE in the Eastern Source Area (ESA) occasionally fluctuate above and below their respective Tier II Cleanup Goals.

Some rebound of groundwater TCE concentrations has been observed in MW-10-1R in the ESA since the remediation system was turned off in 2006. No rebound has been observed in down-gradient monitoring wells MW-151 and MW-156. Continued monitoring in the ESA will be performed to evaluate plume stability and whether additional remedial efforts are needed in this area.

The Southwest Air Sparge/Soil Vapor Extraction (AS/SVE) Remediation System was turned off in June of 2010. TCE concentrations in MW-153 have exceeded the Tier II cleanup goal the last two sampling events. This trend will be monitored. TCE concentrations in down-gradient wells MW-161 and MW-165S remain below cleanup goals and no rebound has been observed.

### Off-Site Remedial Progress

The off-site groundwater plumes from both the WSA and ESA are stable or decreasing and, in response, the IDEM approved a reduced groundwater monitoring program in May 2011. The April 2013 groundwater data indicate continued stable or decreasing concentrations in all off-Site wells.

## Tables

**Table 1**  
**Groundwater Level Summary**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

Monitoring Well ID	Easting	Northing	TOC Elevation (feet amsl)	Ground Elevation (feet amsl)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Top of Screen Elevation (feet bgs)	Bottom of Screen Elevation (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)
<b>ENVIRON Shallow Wells</b>											
MW-10-1R	171035.603	1649697.601	714.74	711.75	7	17	704.75	694.75	4/8/2013	15.61	699.13
MW-132R	170433.054	1649944.450	711.54	711.89	9.5	19.5	702.39	692.39	4/8/2013	11.60	699.94
MW-133R	170636.392	1649752.369	708.93	709.11	7	17	702.11	692.11	4/8/2013	9.95	698.98
MW-135	171017.584	1649971.978	713.48	713.88	10	20	703.88	693.88	4/8/2013	13.26	700.22
MW-145	170559.468	1649672.709	707.77	708.31	18	28	690.31	680.31	4/8/2013	9.40	698.37
MW-146	170882.486	1649641.438	708.41	708.84	15	25	693.84	683.84	4/8/2013	9.86	698.55
MW-147AR	170436.643	1649956.449	711.45	711.73	20	30	691.73	681.73	4/8/2013	11.52	699.93
MW-148R	170419.297	1649875.142	711.21	711.65	10.5	25.5	701.15	686.15	4/8/2013	11.52	699.69
MW-150	171046.158	1649785.472	712.57	713.00	4	19	709.00	694.00	4/8/2013	13.12	699.45
MW-151	171098.420	1649557.145	712.60	712.86	5	20	707.86	692.86	4/8/2013	14.17	698.43
MW-152	170897.261	1649756.931	712.76	713.03	5	20	708.03	693.03	4/8/2013	13.81	698.95
MW-153	170496.294	1649746.543	711.50	709.15	4.5	19.5	704.65	689.65	4/8/2013	12.35	699.15
MW-154	170428.623	1650008.919	714.00	711.64	5	20	706.64	691.64	4/8/2013	13.93	700.07
MW-156	171107.295	1649673.221	711.65	711.88	5	20	706.88	691.88	4/8/2013	12.33	699.32
MW-160	170636.314	1649587.133	702.18	702.29	3	13	699.29	689.29	4/8/2013	4.28	697.90
MW-163	171109.166	1649851.559	712.09	712.63	10	20	702.63	692.63	4/8/2013	11.98	700.11
MW-164	171384.589	1649616.050	718.23	718.89	16	26	702.89	692.89	4/8/2013	19.00	699.23
MW-165S	170534.325	1649508.723	712.31	712.56	10	20	702.56	692.56	4/8/2013	14.37	697.94
MW-166S	170604.807	1649286.474	712.70	713.01	10	20	703.01	693.01	4/8/2013	15.02	697.68
MW-167S	170528.349	1648792.009	716.07	716.23	12	22	704.23	694.23	4/8/2013	18.42	697.65
MW-169S	170739.362	1648045.414	715.92	716.10	15	25	701.10	691.10	4/8/2013	19.62	696.30
MW-173	171132.024	1649834.551	713.23	713.61	8	18	705.61	695.61	4/8/2013	13.43	699.80
IW-1	171109.166	1649872.012	712.54	712.95	10.5	15.5	702.45	697.45	4/8/2013	11.96	700.58
IW-2	171080.757	1649830.244	712.83	713.27	12	17	701.27	696.27	4/8/2013	12.90	699.93
<b>ENVIRON Deep Wells</b>											
MW-165D	170539.272	1649508.801	712.19	712.55	42	47	670.55	665.55	4/8/2013	14.16	698.03
MW-166D	170609.714	1649284.512	712.49	712.81	46	51	666.81	661.81	4/8/2013	14.80	697.69
MW-167D	170535.523	1648792.911	715.61	716.27	28	33	688.27	683.27	4/8/2013	18.00	697.61
MW-169D	170735.969	1648046.674	715.69	716.04	32	37	684.04	679.04	4/8/2013	19.66	696.03
MW-200	171045.493	1649791.450	712.72	713.12	45	50	668.12	663.12	4/8/2013	12.94	699.78
MW-301	171098.420	1649557.145	712.75	713.20	45	50	668.20	663.20	4/8/2013	13.50	699.25
MW-302	170496.294	1649746.543	711.60	709.60	45	55	664.60	654.60	4/8/2013	13.48	698.12

Notes:

amsl - above mean sea level

BGS - below ground surface

DTW - depth to water

GW - groundwater

NA - Information is not available

SW - surface water

TOC - top of well casing

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>				640	7	70	128 <sup>(2)</sup>	5	2
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>				10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
<b>WEST SOURCE AREA (On-Site)</b>									
MW-132	9/1992	10-20	NA	<50	NA	1,500*	1,500*	280	1,200
MW-132	5/27/1993		69681	<20	<20	2,400	<20	1,900	<100
MW-132	7/14/1995		W5070191-09	<5	<5	5,100	15	1,700	600
MW-132	2/5/1997		W7020074-02	<120	<120	65,000	<120	15,000	<250
MW-132	11/23/1999		253791	<5	<5	990	18	270	580
MW-132	2/28/2000		260589	<5	<5	23,000	330	2,900	13
MW-132	7/22/2002		324190	<5	<5	270	11	110	<2
MW-132	5/7/2003		842913	<1	<1	63.6	1	28.7	<1
MW-132	8/22/2003		872596	<1	<1	136	4.4	40.9	<1
MW-132	8/22/2003		872597	<1	<1	146	4.5	40.9	<1
MW-132	12/03/2003		503002123	<5	<5	9	<5	23	<2
MW-132	3/11/2004		503237166	<5	<5	<5	<5	9.3	<2
MW-132	6/4/2004		503492647	<5	<5	<5	<5	12	<2
MW-132	9/15/2004		A675220	<1	<1	32	4.5	15	<1
MW-132	12/21/2004		A685833	<1	<1	60	7.1	16	1.7
MW-132	3/16/2005		A693388	<1	<1	3.6	<1	7.8	<1
MW-132	6/14/2005		A702985	<1	<1	12	3.0B	14	<1
MW-132	9/22/2005		A713003	<1	<1	15.1	2.92	10.5	<1
MW-132	12/6/2005		A721014	<1	<1	23	4.5	15	<1
MW-132	3/13/2006		A728632	<1	<1	<1	<1	<1	<1
MW-132	6/12/2006		A737743	<1	<1	<1	<1	3.5	<1
MW-132R	10/13/2006	10-20	A749072	1.8	<1	73	2.3	62	1.4
MW-132R	12/20/2006		A756757	2.8	<1	39	1.7	41	6.8
MW-132R	3/21/2007		A764752	<1	<1	6.5	<1	15	<1
MW-132R	7/2/2007		A775730	1.1	<1	15	<1	29	<1
MW-132R	9/6/2007		A781774	<1	<1	<1	<1	<1	<1
MW-132R	11/28/2007		A790667	5.4	<1	29	3.2	73	<1
MW-132R	3/19/2008		A803409	1.3	<1	14	<1	20	2.0
MW-132R	5/29/2008		A812348	<1	<1	6.4	<1	15	<1
MW-132R	9/23/2008		A824659	1.3	<1	5.1	<1	24	<1
MW-132R	12/2/2008		A832827	2.1	<1	25	2.1	44	4.3
MW-132R	3/12/2009		A841805	1	<1	3.8	<1	13	<1
MW-132R	6/18/2009		A850595	<1	<1	5.3	<1	17	<1
MW-132R	9/15/2009		A858537	<1	<1	9.1	<1	26	<1
MW-132R	11/3/2009		A864527	2.5	<1	9.8	1.8	33	<1
MW-132R	1/27/2010		5034229006	<5	<5	10.9	<5	96.3	<2
MW-132R	5/20/2010		5037756010	<5	<5	16.9	<5	94.2	<2
MW-132R	9/16/2010		5041525002	<5	<5	7.6	<5	32.1	<2
MW-132R	12/9/2010		5044189027	<5	<5	18.2	<5	74.7	<2
MW-132R	2/16/2011		5045903018	<5	<5	9.5	<5	43.4	<2

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-148	6/4/1993	10.5-25.5	69944	<80	<80	19,000	<80	4,900	490
MW-148	7/14/1995		W5070191-07	23	<5	1,400	12	410	92
MW-148	2/5/1997		W7020074-08	<5	<5	73	<5	<5	<10
MW-148	11/23/1999		253792	11	5.2	1,200	24	310	200
MW-148	2/28/2000		260583	6.7	<5	1,200	11	300	180
MW-148	2/28/2000		260568	8.5	<5	1,600	20	400	270
MW-148	11/8/2000		280686	<5	<5	440	<5	190	35
MW-148	11/8/2000		280687	<5	<5	450	<5	160	39
MW-148	6/21/2001		296407	7.1	<5	1,100	10	340	50
MW-148	6/21/2001		296408	7.3	<5	1,100	11	360	50
MW-148	7/22/2002		324188	<5	<5	360	19	170	<2
MW-148	5/7/2003		842914	<1	<1	23.1	1.7	56.5	<1
MW-148	8/22/2003		872599	<1	<1	50.6	1.9	80.5	<1
MW-148	12/03/2003		503002479	<5	<5	30	<5	100	<2
MW-148	3/11/2004		503237174	<5	<5	34	<5	20	<2
MW-148	6/4/2004		503492654	<5	<5	35	<5	6.4	2.6
MW-148	9/16/2004		A675221	<1	<1	36	1.8	5.6	5.7
MW-148	12/21/2004		A685831	<1	<1	38	2.5	26	3.7
MW-148	3/16/2005		A693389	<1	<1	41	2.4	2.1	5.7
MW-148	6/14/2005		A702986	<1	<1	38	2.0B	6.5	9.4
MW-148	9/22/2005		A713004 <sup>3</sup>	<1	<1	79.9	5.49	68.8	61.6
MW-148	12/7/2005		A721016	1.1	<1	93	8.3	100	120
MW-148	3/13/2006		A728633	1.7	<1	200	14	200	120
MW-148	6/12/2006		A737744	<1	<1	32	1.4	14	4.8
MW-148R	10/13/2006	10.5-25.5	A749073	7.2	<1	1,000	42	180	140
MW-148R	12/20/2006		A756758	<10	<10	520	22	100	43
MW-148R	3/21/2007		A764753	<1	<1	11	1.4	30	<1
MW-148R	7/2/2007		A775731	2.8	<1	330	23	68	30
MW-148R	9/6/2007		A781776	<10	<10	130	16	530	<10
MW-148R	11/29/2007		A790668	8.9	<1	1,000	77	220	33
MW-148R	3/19/2008		A803411	1.4	<1	130	10	32	4.2
MW-148R	5/29/2008		A812349	<10	<10	160	13	82	10
MW-148R	9/23/2008		A824660	<10	<10	580	70	57	44
MW-148R	12/2/2008		A832800	9.5	1.4	840	80	130	91
MW-148R	3/12/2009		A841804	5	1.1	630	47	170	39
MW-148R	6/19/2009		A850602	<1.	<1	8.1	1.1	44	<1
MW-148R	9/15/2009		A858545	7.2	1.3	530	54	88	100
MW-148R	11/3/2009		A864528	4.9	<1	480	39	110	48
MW-148R	1/27/2010		5034229005	<5	<5	190	31.3	201	<2
MW-148R	5/20/2010		5037756011	<5	<5	295	29.3	100	19.3
MW-148R	9/16/2010		5041525023	<5	<5	514	34.8	177	117
MW-148R	12/9/2010		5044189023	<5	<5	342	19.2	190	14.2
MW-148R	2/17/2011		5045903028	<5	<5	531	36.2	136	35.7
MW-148R-D	2/17/2011		5045903027	<5	<5	601	35	201	35.2
MW-148R	9/15/2011		5052819007	<5	<5	303	20.7	141	39.5
MW-148R	3/5/2012		5059760001	<5	<5	211	12.9	120	<2
MW-148R	10/1/2012		5070279002	<5	<5	10.4	<5	107	<2
MW-148R	4/10/2013		5078784013	<5	<5	218	17.0	137	35.0

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-153	7/14/1995	4.5-19.5	W5070191-02	<5	<5	980	<5	570	22
MW-153	2/6/1997		W7020074-14	<5	<5	<5	<5	5.4	<10
MW-153	2/6/1997		W7020074-23	<5	<5	<5	<5	<5	<10
MW-153	11/23/1999		253796	<5	<5	950	19	330	67
MW-153	2/28/2000		260594	<5	<5	<5	<5	<5	<5
MW-153	11/8/2000		280691	<5	<5	4,200	37	250	590
MW-153	6/21/2001		296404	<5	<5	16	<5	7.3	<2
MW-153	6/21/2001		296405	<5	<5	15	<5	<5	<2
MW-153	7/22/2002		324185	7.9	5.3	3,600	140	290	65
MW-153	5/7/2003		842915	3.7	3.4	3,320	50	384	1.1
MW-153	5/7/2003		842916	3.9	3.5	3,270	53	381	1.1
MW-153	8/22/2003		872601	4.6	2.1	1,590	35	707	1.4
MW-153	12/03/2003		503002545	<5	<5	770	33	420	<2
MW-153	12/03/2003		503002552	<5	<5	700	34	420	<2
MW-153	3/11/2004		503237182	<5	<5	500	25	440	<2
MW-153	3/11/2004		503237190	<5	<5	540	24	450	<2
MW-153	6/4/2004		503492670	<5	<5	790	15	620	<2
MW-153	6/4/2004		503492696	<5	<5	850	19	630	<2
MW-153	9/15/2004		A675218	1.3	<1	380	12	330	<1
MW-153	9/15/2004		A675222	1.2	<1	390	12	350	<1
MW-153	12/22/2004		A685835	<1	<1	58	5.0	200	<1
MW-153	12/22/2004		A685821	<1	<1	56	4.4	210	<1
MW-153	3/16/2005		A693390	<1	<1	50	4.4	200	<1
MW-153	3/16/2005		A693391	<1	<1	41	3.9	220	<1
MW-153	6/15/2005		A702991	<1	<1	160	7.1B	420	<1
MW-153	6/15/2005		A702998	<1	<1	140	7.6	360	<1
MW-153	9/22/2005		A713006	<1	<1	23.5	1.92	111	<1
MW-153	9/22/2005		A713007 <sup>1</sup>	<1	<1	21.7	2.25	109	<1
MW-153	12/7/2005		A721018	<1	<1	33	2.8	140	<1
MW-153	12/7/2005		A721019	<1	<1	30	2.9	160	<1
MW-153	3/14/2006		A728638	<1	<1	6.5	<1	52	<1
MW-153	3/14/2006		A728639	<1	<1	6.3	<1	49	<1
MW-153	6/13/2006		A737752	<1	<1	87	8	210	1.3
MW-153	6/13/2006		A737753	<1	<1	92	8.1	200	1.4
MW-153	9/29/2006		A747980	<1	<1	26	5	120	<1
MW-153	9/29/2006		A747981	<1	<1	28	5.3	180	<1
MW-153	11/21/2006		A753699	<1	<1	3.5	1.6	7.1	<1
MW-153	12/20/2006		A756760	<10	<10	86	<10	180	<10
MW-153	12/20/2006		A756759	<10	<10	76	<10	170	<10
MW-153	3/21/2007		A764729	<1	<1	<1	<1	<1	<1
MW-153	3/21/2007		A764754	<1	<1	<1	<1	<1	<1
MW-153	7/2/2007		A775732	<1	<1	200	13	220	<1
MW-153	9/6/2007		A781778	<1	<1	74	9.4	260	<1
MW-153	9/6/2007		A781777	<5	<5	230	19	84	<5
MW-153	11/29/2007		A790669	<1	<1	180	12	390	<1
MW-153	11/29/2007		A790670	<1	<1	190	9.3	400	<1
MW-153	3/19/2008		A803412	<1	<1	<1	<1	6.3	<1
MW-153	3/19/2008		A803413	<1	<1	<1	<1	4.6	<1
MW-153	5/29/2008		A812350	<1	<1	11	2	89	<1
MW-153	5/29/2008		A812351	<1	<1	12	2.2	93	<1
MW-153	9/23/2008		A824670	<1	<1	32	4.9	260	<1
MW-153	12/2/2008		A832801	<1	<1	31	3.2	220	<1
MW-153	12/2/2008		A832802	<1	<1	29	3.2	220	<1
MW-153	3/13/2009		A841831	<1	<1	9.9	1.6	91	<1
MW-153	3/13/2009		A841832	<1	<1	10	1.5	89	<1
MW-153	6/19/2009		A850611	<1	<1	4.1	<1	63	<1
MW-153	6/19/2009		A850606	<1	<1	3.9	<1	63	<1
MW-153	9/15/2009		A858555	<1	<1	20	2.1	130	<1
MW-153	9/15/2009		A858552	<1	<1	16	1.9	120	<1
MW-153	11/3/2009		A864530	<1	<1	24	2.2	180	<1
MW-153	11/3/2009		A864529	<1	<1	25	2.1	190	<1
MW-153	1/27/2010		5034229003	<5	<5	<5	<5	79.5	<2
MW-153	1/27/2010		5034229004	<5	<5	<5	<5	76.8	<2
MW-153	5/20/2010		5037756012	<5	<5	8.3	<5	112	<2
MW-153	9/15/2010		5041413005	<5	<5	20.6	<5	140	<2
MW-153	12/10/2010		5044189035	<5	<5	57.8	<5	147	<2
MW-153	2/16/2011		5045903017	<5	<5	31.4	<5	99.4	<2
MW-153	9/14/2011		5052702006	<5	<5	244	15.1	236	<2
MW-153	3/6/2012		5059760003	<5	<5	99.5	6	135	<2
MW-153	10/1/2012		5070279021	<5	<5	197	8.3	279	15.4
MW-153	4/10/2013		5078784018	<5	<5	139	8.8	299	2.7
MW-153 Dup	4/10/2013		5078784019	<5	<5	137	8.4	245	2.4

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-154	7/14/1995	5-20	W5070191-12	<5	<5	<5	<5	<5	<10
MW-154	2/5/1997		W7020074-11	<5	<5	<5	<5	<5	<10
MW-154	11/23/1999		253789	<5	<5	<5	<5	<5	<5
MW-154	2/28/2000		260587	<5	<5	<5	<5	<5	<5
MW-154	11/8/2000		280692	<5	<5	<5	<5	<5	<2
MW-154	6/21/2001		296410	<5	<5	<5	<5	<5	<2
MW-154	7/22/2002		324191	<5	<5	8.5	<5	<5	<2
MW-154	12/03/2003		503002560	<5	<5	<5	<5	<5	<2
MW-154	3/11/2004		503237141	<5	<5	<5	<5	<5	<2
MW-154	12/22/2004		A685834	<1	<1	<1	<1	<1	<1
MW-154	6/14/2005		A702975	<1	<1	<1	<1	<1	<1
MW-154	12/6/2005		A721013	<1	<1	<1	<1	<1	<1
MW-154	12/20/2006		A756755	<1	<1	<1	<1	<1	<1
MW-154	7/2/2007		A775729	<1	<1	<1	<1	<1	<1
MW-154	7/2/2007		A775727	<1	<1	<1	<1	<1	<1
MW-154	11/28/2007		A790704	<1	<1	<1	<1	<1	<1
MW-154	12/2/2008		A832826	<1	<1	<1	<1	<1	<1
MW-154	11/3/2009		A864551	<1	<1	<1	<1	<1	<1
MW-154	12/7/2010		5044189004	<5	<5	<5	<5	<5	<2
MW-154D	12/7/2010		5044189005	<5	<5	<5	<5	<5	<2
MW-154	9/13/2011		5052702005	<5	<5	<5	<5	<5	<2
MW-154	3/5/2012		5059760002	<5	<5	<5	<5	<5	<2
MW-154	10/1/2012		5070279001	<5	<5	<5	<5	<5	<2
MW-154	4/9/2013		5078784001	<5	<5	<5	<5	<5	<2

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>				640	7	70	128 <sup>(2)</sup>	5	2
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>				10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
<b>EAST SOURCE AREA (On-Site)</b>									
MW-10-1	3/28/1994	7-17	NA	<100	NA	160*	160*	880	<100
MW-10-1	10/5/1994		NA	ND	NA	ND	ND	1,600	NA
MW-10-1	7/14/1995		W5070191-13	<5	<5	190	5.9	1,800	<10
MW-10-1	2/5/1997		W7020074-01	<5	<5	120	<5	810	<10
MW-10-1	11/23/1999		253788	<5	<5	180	8.3	1,000	<5
MW-10-1	11/23/1999		253812	<5	<5	190	9.2	1,100	<5
MW-10-1	2/29/2000		260586	<5	<5	160	6.5	960	<5
MW-10-1	11/8/2000		280650	<5	<5	200	7.6	1,100	<2
MW-10-1	7/19/2002		324157	<5	<5	99	<5	540	<2
MW-10-1	7/19/2002		324158	<5	<5	94	<5	650	<2
MW-10-1	5/7/2003		842918	<1	<1	60.9	2.6	305	<1
MW-10-1	8/22/2003		872595	<1	<1	101	3.2	450	<1
MW-10-1R	12/03/2003		503002107	<5	<5	48	<5	220	<2
MW-10-1R	12/03/2003		503002115	<5	<5	44	<5	240	<2
MW-10-1R	3/11/2004		503237240	<5	<5	58	<5	230	<2
MW-10-1R	3/11/2004		503237257	<5	<5	53	<5	230	<2
MW-10-1R	6/4/2004		503492829	<5	<5	74	<5	400	<2
MW-10-1R	6/4/2004		503492928	<5	<5	59	<5	290	<2
MW-10-1R	9/15/2004		A675212	<1	<1	99	2.9	500	<1
MW-10-1R	9/15/2004		A675213	<1	<1	97	2.8	490	<1
MW-10-1R	12/22/2004		A685836	<1	<1	85	4.5	540	<1
MW-10-1R	12/22/2004		A685823	<1	<1	96	3.9	520	<1
MW-10-1R	3/16/2005		A693396	<1	<1	18	<1	120	<1
MW-10-1R	3/16/2005		A693397	<1	<1	19	<1	140	<1
MW-10-1R	6/15/2005		A702987	<1.	<1	15	<1	83	<1
MW-10-1R	6/15/2005		A702999	<1.	<1	17	<1	91	<1
MW-10-1R	9/22/2005		A713013	<1	<1	12.7	<1	68.7	<1
MW-10-1R	9/22/2005		A713014	<1	<1	12.6	<1	68.8	<1
MW-10-1R	12/7/2005		A721022	<1	<1	9.2	<1	100	<1
MW-10-1R	12/7/2005		A721023	<1	<1	13	<1	110	<1
MW-10-1R	3/14/2006		A728644	<1	<1	6.6	<1	64	<1
MW-10-1R	3/14/2006		A728645	<1	<1	6.4	<1	59	<1
MW-10-1R	6/14/2006		A737759	<1	<1	6.1	<1	120	<1
MW-10-1R	6/14/2006		A737758	<1	<1	3.7	<1	62	<1
MW-10-1R	9/29/2006		A747976	<10	<10	15	<10	160	<10
MW-10-1R	9/29/2006		A747977	<10	<10	16	<10	210	<10
MW-10-1R	12/20/2006		A756767	<10	<10	13	<10	150	<10
MW-10-1R	12/20/2006		A756766	<10	<10	14	<10	150	<10
MW-10-1R	3/22/2007		A764735	<1	<1	3.7	<1	45	<1
MW-10-1R	3/22/2007		A764734	<1	<1	3.1	<1	41	<1
MW-10-1R	7/2/2007		A775739	<1	<1	63	5.0	170	2.9
MW-10-1R	9/6/2007		A781784	<1	<1	110	11	230	6.1
MW-10-1R	9/6/2007		A781783	<5	<5	130	12	260	6.0
MW-10-1R	11/29/2007		A790675	<1	<1	150	12	250	4.2
MW-10-1R	11/29/2007		A790676	<1	<1	150	12	250	4.9
MW-10-1R	3/20/2008		A803418	<1	<1	3.4	<1	18	<1
MW-10-1R	3/20/2008		A803419	<1	<1	4.6	<1	23	<1
MW-10-1R	5/30/2008		A812362	<1	<1	20	4.1	38	<1
MW-10-1R	5/30/2008		A812363	<1	<1	21	4.7	40	<1
MW-10-1R	9/23/2008		A824665	<1	<1	110	14	190	2.0
MW-10-1R	9/23/2008		A824666	<1	<1	97	14	170	2.2
MW-10-1R	12/3/2008		A832808	<1	<1	120	15	200	<1
MW-10-1R	12/3/2008		A832809	<1	<1	110	14	200	1.0
MW-10-1R	3/12/2009		A841802	<1	<1	150	16	250	<1
MW-10-1R	3/12/2009		A841803	<1	<1	130	15	220	<1
MW-10-1R	6/19/2009		A850612	<1.	<1	7.2	3.4	58	<1
MW-10-1R	6/19/2009		A850609	<1.	<1	7.5	3.4	57	<1
MW-10-1R	9/15/2009		A858554	<1	<1	160	18	330	2.1
MW-10-1R	9/15/2009		A858550	<1	<1	150	19	340	2.1
MW-10-1R	1/27/2010		5034229001	<5	<5	132	15	331	<2
MW-10-1R	1/27/2010		5034229002	<5	<5	97.8	13.6	297	<2
MW-10-1R	5/20/2010		5037756016	<5	<5	50.5	12.6	249	<2
MW-10-1R	9/17/2010		5041525008	<5	<5	38	<5	564	<2
MW-10-1R	12/10/2010		5044189033	<5	<5	39.6	<5	480	<2
MW-10-1R	2/16/2011		5045903012	<5	<5	34.2	<5	427	<2
MW-10-1R	9/15/2011		5052819008	<5	<5	23	<5	534	<2
MW-10-1R	3/6/2012		5059760007	<5	<5	19.5	<5	332	<2
MW-10-1R-Dup	3/6/2012		5059760008	<5	<5	13.4	<5	293	<2
MW-10-1R	10/2/2012		5070279008	<5	<5	18	<5	538	<2
MW-10-1R	4/10/2013		5078784020	<5	<5	17.4	<5	532	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>									
MW-135	9/1992	10-20	NA	<5	NA	<5	<5	<5	<10
MW-135	9/1992		NA	<5	NA	<5	<5	<5	<10
MW-135	5/27/1993		69679	<1	<1	<1	<1	<1	<5
MW-135	7/14/1995		W5070191-14	<5	<5	<5	<5	<5	<10
MW-135	2/5/1997		W7020074-04	<5	<5	<5	<5	<5	<10
MW-135	11/23/1999		253802	<5	<5	<5	<5	<5	<5
MW-135	2/29/2000		260574	<5	<5	<5	<5	<5	<5
MW-135	11/8/2000		280651	<5	<5	<5	<5	<5	<2
MW-135	6/20/2001		296393	<5	<5	<5	<5	<5	<2
MW-135	7/15/2002		324015	<1	<1	<1	<1	<1	<1
MW-135	12/04/2003		503002149	<5	<5	<5	<5	<5	<2
MW-135	12/21/2004		A685832	<1	<1	<1	<1	<1	<1
MW-135	12/8/2005		A721032	<1	<1	<1	<1	<1	<1
MW-135	12/21/2006		A756769	<1	<1	<1	<1	<1	<1
MW-135	7/3/2007		A775747	<1	<1	<1	<1	<1	<1
MW-135	11/29/2007		A790677	<1	<1	<1	<1	<1	<1
MW-135	12/3/2008		A832811	<1	<1	<1	<1	<1	<1
MW-135	11/4/2009		A864537	<1	<1	<1	<1	<1	<1
MW-135	12/9/2010		5044189016	<5	<5	<5	<5	<5	<2
MW-135DUP	12/9/2010		5044189017	<5	<5	<5	<5	<5	<2

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-146	6/4/1993	15-25	69942	<1	<1	<1	<1	83	<5
MW-146	7/14/1995		W5070191-11	<5	<5	<5	<5	52	<10
MW-146	2/5/1997		W7020074-06	<5	<5	<5	<5	43	<10
MW-146	11/23/1999		253800	<5	<5	<5	<5	69	<5
MW-146	2/29/2000		260572	<5	<5	<5	<5	67	<5
MW-146	11/8/2000		280684	<5	<5	<5	<5	70	<2
MW-146	6/21/2001		296419	<5	<5	<5	<5	62	<2
MW-146	7/15/2002		324017	<1	<1	<1	<1	24.3	<1
MW-146	12/03/2003		503002461	<5	<5	<5	<5	42	<2
MW-146	3/11/2004		503237216	<5	<5	<5	<5	50	<2
MW-146	6/4/2004		503492738	<5	<5	<5	<5	46	<2
MW-146	9/15/2004		A675214	<1	<1	<1	<1	52	<1
MW-146	12/21/2004		A685828	<1	<1	<1	<1	74	<1
MW-146	3/16/2005		A693395	<1	<1	<1	<1	50	<1
MW-146	9/22/2005		A713010	<1	<1	<1	<1	43.2	<1
MW-146	12/8/2005		A721033	<1	<1	<1	<1	78	<1
MW-146	3/14/2006		A728643	<1	<1	<1	<1	47	<1
MW-146	6/14/2006		A737757	<1	<1	<1	<1	34	<1
MW-146	9/29/2006		A747978	<1	<1	<1	<1	51	<1
MW-146	12/20/2006		A756765	<1	<1	<1	<1	42	<1
MW-146	3/22/2007		A764732	<1	<1	<1	<1	36	<1
MW-146	7/2/2007		A775738	<1	<1	<1	<1	41	<1
MW-146	9/6/2007		A781781	<1	<1	<1	<1	58	<1
MW-146	11/29/2007		A790674	<1	<1	<1	<1	53	<1
MW-146	3/19/2008		A803417	<1	<1	1.4	<1	55	<1
MW-146	5/29/2008		A812355	<1	<1	<1	<1	43	<1
MW-146	9/23/2008		A824664	<1	<1	<1	<1	46	<1
MW-146	12/3/2008		A832807	<1	<1	<1	<1	68	<1
MW-146	3/13/2009		A841830	<1	<1	<1	<1	43	<1
MW-146	6/19/2009		A850608	<1	<1	<1	<1	28	<1
MW-146	9/15/2009		A858551	<1	<1	<1	<1	50	<1
MW-146	11/4/2009		A864535	<1	<1	<1	<1	45	<1
MW-146	1/27/2010		5034229013	<5	<5	<5	<5	34	<2
MW-146	5/20/2010		5037756015	<5	<5	<5	<5	37.4	<2
MW-146	9/16/2010		5041525016	<5	<5	<5	<5	36.2	<2
MW-146	12/9/2010		5044189022	<5	<5	<5	<5	40.8	<2
MW-146	2/16/2011		5045903019	<5	<5	<5	<5	32.6	<2
MW-146	9/14/2011		5052702012	<5	<5	<5	<5	33.1	<2
MW-146	3/7/2012		5059760011	<5	<5	<5	<5	23.8	<2
MW-146	10/1/2012		5070279004	<5	<5	<5	<5	26.7	<2
MW-146	4/9/2013		4078784009	<5	<5	<5	<5	34.0	<2

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-152	7/14/1995	5-20	W5070191-01	<5	<5	5.3	<5	150	<10
MW-152	2/5/1997		W7020074-10	<5	<5	<5	<5	150	<10
MW-152	11/23/1999		253801	<5	<5	<5	<5	110	<5
MW-152	2/29/2000		260573	<5	<5	5.1	<5	180	<5
MW-152	11/8/2000		280690	<5	<5	<5	<5	180	<2
MW-152	6/20/2001		296401	<5	<5	7	<5	240	<2
MW-152	7/15/2002		324016	<1	<1	1.9	<1	139	<1
MW-152	12/03/2003		503002537	<5	<5	<5	<5	110	<2
MW-152	3/11/2004		503237224	<5	<5	<5	<5	79	<2
MW-152	6/4/2004		503492720	<5	<5	<5	<5	36	<2
MW-152	9/15/2004		A675215	<1	<1	<1	<1	62	<1
MW-152	12/21/2004		A685826	<1	<1	1.3	<1	99	<1
MW-152	3/16/2005		A693387	<1	<1	<1	<1	68	<1
MW-152	6/15/2005		A702989	<1	<1	<1	<1	50	<1
MW-152	9/22/2005		A713009	<1	<1	<1	<1	62.6	<1
MW-152	12/7/2005		A721021	<1	<1	<1	<1	59	<1
MW-152	3/14/2006		A728642	<1	<1	3.5	<1	260	<1
MW-152	6/14/2006		A737756	<1	<1	1.5	<1	100	<1
MW-152	9/29/2006		A747983	<1	<1	1.1	<1	110	<1
MW-152	12/20/2006		A756764	<10	<10	<10	<10	91	<10
MW-152	3/22/2007		A764733	<1	<1	1.2	<1	110	<1
MW-152	7/2/2007		A775737	<1	<1	<1	<1	68	<1
MW-152	9/6/2007		A781782	<1	<1	<1	<1	52	<1
MW-152	11/29/2007		A790673	<1	<1	<1	<1	76	<1
MW-152	3/19/2008		A803416	<1	<1	<1	<1	42	<1
MW-152	5/29/2008		A812354	<1	<1	<1	<1	46	<1
MW-152	9/23/2008		A824663	<1	<1	<1	<1	61	<1
MW-152	12/3/2008		A832806	<1	<1	<1	<1	51	<1
MW-152	3/12/2009		A841826	<1	<1	<1	<1	69	<1
MW-152	6/19/2009		A850603	<1	<1	<1	<1	92	<1
MW-152	9/15/2009		A858544	<1	<1	<1	<1	35	<1
MW-152	11/4/2009		A864534	<1	<1	<1	<1	110	<1
MW-152	1/27/2010		5034229012	<5	<5	<5	<5	49.7	<2
MW-152	5/20/2010		5037756014	<5	<5	<5	<5	57.9	<2
MW-152	9/16/2010		5041525013	<5	<5	<5	<5	38.6	<2
MW-152	12/9/2010		5044189028	<5	<5	<5	<5	31.1	<2
MW-152	2/16/2011		5045903021	<5	<5	<5	<5	37	<2
MW-152	9/15/2011		5052819011	<5	<5	<5	<5	41	<2
MW-152	3/6/2012		5059760004	<5	<5	<5	<5	55.6	<2
MW-152	10/1/2012		5070279003	<5	<5	<5	<5	64.6	<2
MW-152	4/10/2013		5078784011	<5	<5	<5	<5	59.9	<2

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>				640	7	70	128 <sup>(2)</sup>	5	2
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>				10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
<b>WEST SOURCE AREA (Off-Site)</b>									
MW-160	3/2/2000	3-13	260551	<5	<5	61	<5	<5	<5
MW-160	11/8/2000		280698	<5	<5	51	<5	<5	5.4
MW-160	6/21/2001		296417	<5	<5	47	<5	<5	3.3
MW-160	7/17/2002		324027	<1	<1	107	1.5	<1	5.2
MW-160	7/17/2002		324028	<1	<1	111	1.5	<1	5
MW-160	12/04/2003		503002610	<5	<5	240	<5	<5	<2
MW-160	3/11/2004		503237281	<5	<5	240	<5	<5	<2
MW-160	6/4/2004		503493264	<5	<5	73	<5	400	<2
MW-160	9/16/2004		A675223	<1	<1	180	2.5	<1	7.2
MW-160	12/22/2004		A685818	<1	<1	120	1.8	<1	8.7
MW-160	3/17/2005		A693399	<1	<1	190	2.8	<1	2.7
MW-160	6/13/2005		A702969	<1	<1	56	<1	<1	9
MW-160	9/23/2005		A713022	<1	<1	55	<1	<1	18
MW-160	12/6/2005		A721006	<1	<1	95	2.3	<1	25
MW-160	4/5/2006		A730656	<1	<1	92	1.9	<1	9.5
MW-160	6/13/2006		A737750	<1	<1	63	1.1	<1	18
MW-160	10/13/2006		A749068	<1	<1	86	1.8	<1	7.9
MW-160	1/19/2007		A758748	<1	<1	60	1.4	<1	7.4
MW-160	3/22/2007		A764736	<1	<1	58	1.6	<1	6.5
MW-160	7/2/2007		A775736	<1	<1	5.4	<1	1.5	2.0
MW-160	9/6/2007		A781787	<1	<1	5.9	<1	1.2	2.1
MW-160	11/28/2007		A790701	<1	<1	22	<1	<1	17
MW-160	4/15/2008		A806503	<1	<1	40	<1	<1	5.4
MW-160	5/30/2008		A812367	<1	<1	22	<1	<1	2.5
MW-160	9/24/2008		A824679	<1	<1	25	<1	<1	5.5
MW-160	12/4/2008		A832820	<1	<1	26	<1	<1	11
MW-160	3/13/2009		A841828	<1	<1	26	<1	<1	2.7
MW-160	1/27/2010		5034229015	<5	<5	16.5	<5	<5	2.3
MW-160	5/21/2010		5037756022	<5	<5	17.5	<5	<5	4.5
MW-160	9/15/2010		5041413002	<5	<5	13.1	<5	<5	4.5
MW-160	12/9/2010		5044189025	<5	<5	14.4	<5	<5	5.7
MW-160	2/16/2011		5045903013	<5	<5	9.7	<5	<5	7.1

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Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-166S	6/1/2001	10-20	294565	<5	<5	553	<5	<5	63
MW-166S	7/18/2002		324106	<1	<1	222	1.5	<1	15.8
MW-166S	12/19/2003		503046765	<5	<5	170	5.5	<5	8
MW-166S	12/19/2003		503046773	<5	<5	130	8.3	<5	7.7
MW-166S	3/11/2004		503237067	<5	<5	140	<5	<5	<2
MW-166S	6/3/2004		503493033	<5	<5	270	5.2	<5	17
MW-166S	9/14/2004		A675202	<10	<10	290	11	<10	18
MW-166S	12/20/2004		A685810	<10	<10	350	37	<10	19
MW-166S	3/15/2005		A693382	<10	<10	290	66	<10	61
MW-166S	6/13/2005		A702973	<1	<1	310	7.1	<1	11
MW-166S	9/21/2005		A713000 <sup>5</sup>	<1	<1	298	3.77	<1	10
MW-166S	12/6/2005		A721011	<1	<1	280	16	<1	11
MW-166S	3/14/2006		A728637	<1	<1	89	1.6	<1	4.1
MW-166S	6/13/2006		A737749	<1	<1	340	9.8	<1	10
MW-166S	9/27/2006		A747974	<1	<1	360	17	<1	17
MW-166S	12/21/2006		A756787	<1	<1	340	12	<1	11
MW-166S	3/21/2007		A764749	<1	<1	44	1.8	<1	1.3
MW-166S	7/2/2007		A775744	<1	<1	340	12	<1	11
MW-166S	9/7/2007		A781805	<1	<1	280	12	<1	15
MW-166S	11/28/2007		A790699	<1	<1	350	6.9	<1	14
MW-166S	3/19/2008		A803406	<1	<1	270	7.9	<1	16
MW-166S	5/28/2008		A812345	<1	<1	230	7	<1	6.7
MW-166S	9/23/2008		A824657	<1	<1	250	18	<1	7.7
MW-166S	12/2/2008		A832836	<1	<1	250	7.3	<1	11
MW-166S	3/12/2009		A841817	<1	<1	190	5.6	<1	5.6
MW-166S	6/18/2009		A850584	<1	<1	17	<1	<1	<1
MW-166S	9/15/2009		A858546	<1	<1	230	8.1	<1	7.2
MW-166S	11/3/2009		A864550	<1	<1	170	9.7	<1	6.5
MW-166S	2/3/2010		5034508008	<5	<5	159	5.0	<5	2.8
MW-166S	5/19/2010		5037756009	<5	<5	145	6.1	<5	6.6
MW-166S	9/17/2010		5041525010	<5	<5	217	6.4	<5	4.8
MW-166S	12/8/2010		5044189014	<5	<5	194	<5	<5	6.8
MW-166S	2/15/2011		5045903009	<5	<5	170	<5	<5	<2
MW-166S	9/16/2011		5052819002	<5	<5	150	5	<5	<2
MW-166S	3/7/2012		5059760017	<5	<5	116	<5	<5	<2
MW-166S	10/3/2012		5070279014	<5	<5	130	<5	<5	<2
MW-166S	4/9/2013		5078784004	<5	<5	85.4	<5	<5	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-167S	6/1/2001	12-22	294566	<5	<5	<5	<5	<5	11
MW-167S	7/17/2002		324026	<1	<1	<1	<1	<1	1.7
MW-167S	12/04/2003		503002669	<5	<5	<5	<5	<5	<2
MW-167S	3/11/2004		503237109	<5	<5	<5	<5	<5	<2
MW-167S	6/3/2004		503493223	<5	<5	7.7	<5	<5	3.3
MW-167S	9/14/2004		A675204	<1	<1	<1	<1	<1	5.9
MW-167S	12/21/2004		A685814	<1	<1	<1	<1	<1	20
MW-167S	3/15/2005		A693375	<1	<1	<1	<1	<1	<1
MW-167S	6/13/2005		A702967	<1	<1	<1	<1	<1	1.1
MW-167S	9/23/2005		A713021	<1	<1	<1	<1	<1	6.0
MW-167S	11/7/2005		A717640	<1	<1	<1	<1	<1	15
MW-167S	12/6/2005		A721004	<1	<1	<1	<1	<1	26
MW-167S	12/6/2005		A721005	<1	<1	<1	<1	<1	26
MW-167S	3/13/2006		A728628	<1	<1	<1	<1	<1	<1
MW-167S	6/12/2006		A737739	<1	<1	<1	<1	<1	<1
MW-167S	9/27/2006		A747968	<1	<1	<1	<1	<1	<1
MW-167S	12/21/2006		A756781	<1	<1	<1	<1	<1	<1
MW-167S	3/21/2007		A764744	<1	<1	<1	<1	<1	<1
MW-167S	7/2/2007		A775740	<1	<1	<1	<1	<1	<1
MW-167S	9/7/2007		A781799	<1	<1	<1	<1	<1	<1
MW-167S	11/28/2007		A790694	<1	<1	<1	<1	<1	4.0
MW-167S	3/19/2008		A803402	<1	<1	<1	<1	<1	<1
MW-167S	5/28/2008		A812340	<1	<1	<1	<1	<1	<1
MW-167S	9/23/2008		A824653	<1	<1	<1	<1	9.5	<1
MW-167S	12/1/2008		A832830	<1	<1	<1	<1	<1	2.1
MW-167S	12/1/2008		A832831	<1	<1	<1	<1	<1	2.3
MW-167S	3/12/2009		A841821	<1	<1	<1	<1	<1	<1
MW-167S	6/19/2009		A850599	<1	<1	<1	<1	<1	<1
MW-167S	9/16/2009		A858561	<1	<1	<1	<1	<1	<1
MW-167S	11/3/2009		A864544	<1	<1	<1	<1	<1	<1
MW-167S	2/3/2010		5034508003	<5	<5	<5	<5	<5	<2
MW-167S	5/19/2010		5037756005	<5	<5	<5	<5	<5	<2
MW-167S	9/16/2010		5041525005	<5	<5	<5	<5	<5	<2
MW-167S	12/8/2010		5044189012	<5	<5	<5	<5	<5	<2
MW-167S	2/16/2011		5045903015	<5	<5	<5	<5	<5	<2
MW-168S	6/1/2001	12-22	294567	<5	<5	<5	<5	<5	<2
MW-168S	7/18/2002		324110	<1	<1	45.5	<1	10.8	4.1
MW-168S	7/18/2002		324111	<1	<1	46	<1	11.3	4.1
MW-168S	11/7/2005		A717641	<1	<1	66	3.7	20	3.4

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-169S	1/30/2002	15-25	312995	<5	<5	<5	<5	<5	<2
MW-169S	7/17/2002		324019	<1	<1	<1	<1	<1	1.3
MW-169S	12/04/2003		503002693	<5	<5	<5	<5	<5	<2
MW-169S	3/11/2004		503237042	<5	<5	<5	<5	<5	<2
MW-169S	6/3/2004		503493199	<5	<5	<5	<5	<5	<2
MW-169S	9/14/2004		A675207	<1	<1	<1	<1	<1	<1
MW-169S	12/21/2004		A685812	<1	<1	<1	<1	<1	3.1
MW-169S	3/15/2005		A693374	<1	<1	<1	<1	<1	1.1
MW-169S	6/13/2005		A702966	<1	<1	<1	<1	<1	1.7
MW-169S	9/22/2005		A713012	<1	<1	<1	<1	<1	1.05
MW-169S	11/7/2005		A717638	<1	<1	<1	<1	<1	1.3
MW-169S	12/6/2005		A721000	<1	<1	<1	<1	<1	<1
MW-169S	3/13/2006		A728626	<1	<1	<1	<1	<1	1.0
MW-169S	6/12/2006		A737738	<1	<1	<1	<1	<1	2.2
MW-169S	9/27/2006		A747966	<1	<1	<1	<1	<1	<1
MW-169S	12/21/2006		A756779	<1	<1	<1	<1	<1	3.5
MW-169S	3/21/2007		A764743	<1	<1	<1	<1	<1	2.1
MW-169S	7/3/2007		A775759	<1	<1	<1	<1	<1	<1
MW-169S	9/7/2007		A781797	<1	<1	<1	<1	<1	1.2
MW-169S	11/28/2007		A790693	<1	<1	<1	<1	<1	<1
MW-169S	3/19/2008		A803401	<1	<1	<1	<1	<1	2.3
MW-169S	5/28/2008		A812338	<1	<1	<1	<1	<1	<1
MW-169S	9/23/2008		A824650	<1	<1	<1	<1	<1	11
MW-169S	12/1/2008		A832829	<1	<1	<1	<1	<1	<1
MW-169S	3/12/2009		A841824	<1	<1	<1	<1	<1	<1
MW-169S	6/19/2009		A850601	<1	<1	<1	<1	<1	<1
MW-169S	9/16/2009		A858559	<1	<1	<1	<1	<1	<1
MW-169S	11/3/2009		A864540	<1	<1	<1	<1	<1	<1
MW-169S	2/3/2010		5034508001	<5	<5	<5	<5	<5	<2
MW-169S	5/19/2010		5037756002	<5	<5	<5	<5	<5	<2
MW-169S	9/14/2010		5041343002	<5	<5	<5	<5	<5	<2
MW-169S	12/8/2010		5044189008	<5	<5	<5	<5	<5	<2
MW-169S	2/17/2011		5045903023	<5	<5	<5	<5	<5	<2
MW-170S	1/31/2002	17-27	313002	<5	<5	<5	<5	<5	6.4
MW-170S	7/17/2002		324023	<1	<1	<1	<1	<1	2.2
MW-170S	11/3/2009		A864542	<1	<1	2.0	<1	<1	5.3
MW-170S	11/3/2009		A864541	<1	<1	2.0	<1	<1	5.2
MW-174S	7/18/2011	14-24	5050763001	<5	<5	<5	<5	<5	<2
MW-174S	9/13/2011		5052702002	<5	<5	<5	<5	<5	<2
MW-175S	7/18/2011		5050763004	<5	<5	<5	<5	<5	<2
MW-175S Dup	7/18/2011	15-25	5050763005	<5	<5	<5	<5	<5	<2
MW-175S	9/13/2011		5052702004	<5	<5	<5	<5	<5	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>				640	7	70	128 <sup>(2)</sup>	5	2
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>				10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
<b>EAST SOURCE AREA (Off-Site)</b>									
MW-151	7/14/1995	5-20	W5070191-03	<5	<5	<b>74</b>	<b>7.4</b>	<5	<10
MW-151	2/6/1997		W7020074-13	<5	<5	<b>20</b>	<5	<5	<10
MW-151	11/23/1999		253809	<5	<5	<b>35</b>	<b>5.2</b>	<5	<5
MW-151	2/29/2000		260579	<5	<5	<b>45</b>	<b>6.3</b>	<5	<5
MW-151	11/8/2000		280689	<5	<5	<b>54</b>	<b>6.8</b>	<5	<2
MW-151	6/20/2001		296398	<5	<5	<b>46</b>	<b>6.5</b>	<5	<2
MW-151	7/18/2002		324114	<1	<1	<b>6.4</b>	<1	<b>2.2</b>	<1
MW-151	12/04/2003		503002586	<5	<5	<5	<5	<b>5.4</b>	<5
MW-151	3/3/2004		503207532	NA	NA	NA	<b>6.4</b>	NA	
MW-151	6/4/2004		503492951	<5	<5	<5	<5	<b>11</b>	<2
MW-151	7/16/2004		A669501	<1	<1	<b>3.1</b>	<b>3.8</b>	<b>5.1</b>	<1
MW-151	8/16/2004		A671802	<1	<1	<b>2.6</b>	<b>4.1</b>	<b>5.4</b>	<1
MW-151	9/14/2004		A675210	<1	<1	<b>3.0</b>	<b>4.0</b>	<b>5.7</b>	<1
MW-151	10/18/2004		A678047	<1	<1	<b>3.1</b>	<b>5.3</b>	<b>5.4</b>	<1
MW-151	11/19/2004		A681814	<1	<1	<b>3.5</b>	<b>5.7</b>	<b>4.7</b>	<1
MW-151	12/21/2004		A685816	<1	<1	<b>4.1</b>	<b>5</b>	<b>6.4</b>	<1
MW-151	1/24/2005		A688376	<1	<1	<b>3.3</b>	<b>2.7</b>	<b>5.0</b>	<1
MW-151	3/16/2005		A693384	<1	<1	<b>3.6</b>	<b>3.1</b>	<b>5.3</b>	<1
MW-151	6/14/2005		A702981	<1	<1	<b>2.8</b>	<b>3.7B</b>	<b>3.6</b>	<1
MW-151	9/23/2005		A713017	<1	<1	<b>3.23</b>	<b>2.47</b>	<b>4.57</b>	<1
MW-151	12/7/2005		A721026	<1	<1	<b>4.6</b>	<b>3.2</b>	<b>4.8</b>	<1
MW-151	3/15/2006		A728652	<1	<1	<b>3.4</b>	<b>1.5</b>	<b>4.8</b>	<1
MW-151	6/14/2006		A737762	<1	<1	<b>2.6</b>	<b>1.6</b>	<b>4.6</b>	<1
MW-151	9/27/2006		A747965	<1	<1	<b>3.6</b>	<b>1.6</b>	<b>6.6</b>	<1
MW-151	11/21/2006		A753698	<1	<1	<b>3.5</b>	<b>1.7</b>	<b>7.4</b>	<1
MW-151	12/21/2006		A756776	<1	<1	<b>3.5</b>	<b>1.9</b>	<b>6.5</b>	<1
MW-151	1/19/2007		A758754	<1	<1	<b>2.2</b>	<b>1.1</b>	<b>6.0</b>	<1
MW-151	1/19/2007		A758756	<1	<1	<b>2.0</b>	<b>1.4</b>	<b>5.8</b>	<1
MW-151	3/23/2007		A764757	<1	<1	<b>1.6</b>	<b>1.2</b>	<b>4.2</b>	<1
MW-151	9/6/2007		A781786	<1	<1	<b>2.7</b>	<b>1.7</b>	<b>7.6</b>	<1
MW-151	11/30/2007		A790717	<1	<1	<b>2.9</b>	<b>1.8</b>	<b>8.3</b>	<1
MW-151	3/20/2008		A803427	<1	<1	<1	<1	<b>2.7</b>	<1
MW-151	5/30/2008		A812366	<1	<1	<b>1.6</b>	<1	<b>6.1</b>	<1
MW-151	9/24/2008		A824676	<1	<1	<b>1.8</b>	<b>1.2</b>	<b>9.1</b>	<1
MW-151	12/3/2008		A832817	<1	<1	<b>2.1</b>	<b>1.7</b>	<b>7.8</b>	<1
MW-151	3/13/2009		A841808	<1	<1	<b>1.8</b>	<b>1.4</b>	<b>5.1</b>	<1
MW-151	6/18/2009		A850592	<1	<1	<b>2.0</b>	<b>1.6</b>	<b>6.2</b>	<1
MW-151	9/16/2009		A858563	<1	<1	<b>1.7</b>	<b>1.6</b>	<b>5.3</b>	<1
MW-151	11/4/2009		A864556	<1	<1	<b>1.6</b>	<b>1.7</b>	<b>7.0</b>	<1
MW-151	1/27/2010		5034229008	<5	<5	<5	<5	<5	<2
MW-151	5/21/2010		5037756019	<5	<5	<5	<5	<b>6.6</b>	<2
MW-151	9/16/2010		5041525014	<5	<5	<5	<5	<b>6.5</b>	<2
MW-151	12/10/2010		5044189029	<5	<5	<5	<5	<5	<2
MW-151	2/15/2011		5045903005	<5	<5	<5	<5	<b>7.1</b>	<2
MW-151	9/14/2011		5052702007	<5	<5	<5	<5	<5	<2
MW-151	3/6/2012		5059760009	<5	<5	<5	<5	<5	<2
MW-151	10/2/2012		5070279006	<5	<5	<5	<5	<5	<2
MW-151	4/9/2013		5078784006	<5	<5	<5	<5	<b>6.0</b>	<2

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**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-156	9/11/1995	5-20	W5090134-03	<5	<5	30	<5	280	<10
MW-156	2/6/1997		W7020074-16	<5	<5	7.5	<5	52	<10
MW-156	2/6/1997		W7020074-24	<5	<5	6.9	<5	50	<10
MW-156	11/23/1999		253807	<5	<5	<5	<5	48	<5
MW-156	2/29/2000		260577	<5	<5	<5	<5	65	<5
MW-156	11/8/2000		280694	<5	<5	11	<5	190	<2
MW-156	6/20/2001		296402	<5	<5	<5	<5	79	<2
MW-156	7/18/2002		324116	<1	<1	15.8	<1	292	<1
MW-156	12/04/2003		503002594	<5	<5	18	<5	250	<2
MW-156	3/11/2004		503237133	<5	<5	28	<5	330	<2
MW-156	6/11/2004		503518128	<5	<5	<5	<5	24	<2
MW-156	6/11/2004		503518136	<5	<5	<5	<5	22	<2
MW-156	7/16/2004		A669500	<1	<1	36	2.8	230	<1
MW-156	8/16/2004		A671801	<1	<1	37	3.3	230	<1
MW-156	9/14/2004		A675209	<1	<1	50	4.6	260	<1
MW-156	10/18/2004		A678049	<1	<1	<1	<1	13	<1
MW-156	11/19/2004		A681813	<1	<1	52	4.2	260	<1
MW-156	12/21/2004		A685817	<1	<1	54	3.9	250	<1
MW-156	1/24/2005		A688375	<1	<1	35	2.9	130	<1
MW-156	3/16/2005		A693385	<1	<1	53	4.1	230	<1
MW-156	6/14/2005		A702980	<1	<1	3.7	<1	29	<1
MW-156	9/23/2005		A713018	<1	<1	50	4.2	190	<1
MW-156	12/7/2005		A721027	<1	<1	41	3.4	160	<1
MW-156	3/15/2006		A728651	<1	<1	<1	<1	4.3	<1
MW-156	6/14/2006		A737761	<1	<1	36	3.5	160	<1
MW-156	9/27/2006		A747964	<1	<1	46	4.7	240	<1
MW-156	11/21/2006		A753700	<1	<1	11	1.3	100	<1
MW-156	12/21/2006		A756775	<10	<10	55	<10	240	<10
MW-156	1/19/2007		A758755	<1	<1	34	3.4	200	<1
MW-156	3/23/2007		A764756	<1	<1	40	3.8	170	<1
MW-156	7/3/2007		A775750	<1	<1	39	4.2	190	<1
MW-156	7/3/2007		A775749	<1	<1	41	4.6	170	<1
MW-156	9/6/2007		A781789	<1	<1	51	5.8	230	<1
MW-156	11/30/2007		A790716	<1	<1	52	4.3	200	<1
MW-156	3/20/2008		A803425	<1	<1	<1	<1	7.6	<1
MW-156	5/30/2008		A812361	<1	<1	31	3.0	150	<1
MW-156	9/24/2008		A824675	<1	<1	43	3.5	180	<1
MW-156	12/3/2008		A832816	<5	<5	71	<5	160	<5
MW-156	3/12/2009		A841806	<1	<1	27	2.4	120	<1
MW-156	6/18/2009		A850593	<1	<1	23	2.1	79	<1
MW-156	9/16/2009		A858564	<1	<1	54	5.1	210	<1
MW-156	11/4/2009		A864555	<1	<1	38	3.8	140	<1
MW-156	1/27/2010		5034229009	<5	<5	25.1	<5	115	<2
MW-156	5/20/2010		5037756018	<5	<5	31	<5	140	<2
MW-156	9/16/2010		5041525019	<5	<5	30	<5	167	6
MW-156	12/10/2010		5044189032	<5	<5	16.2	<5	104	2.3
MW-156	2/16/2011		5045903020	<5	<5	8.6	<5	72.8	<2
MW-156	9/15/2011		5052819009	<5	<5	24.2	<5	202	5.3
MW-156	3/6/2012		5059760010	<5	<5	16.1	<5	139	<2
MW-156	10/2/2012		5070279007	<5	<5	5.8	<5	83.5	<2
MW-156	4/10/2013		5078784012	<5	<5	15.1	<5	187	<2

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**VOC in Groundwater Shallow Monitoring Wells**  
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**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-157	2/6/1997	5-20	W7020074-19	<50	<50	<50	<50	60	<100
MW-157	2/26/1997		W7020396-01	<5	<5	<5	<5	100	<10
MW-157	2/29/2000		260581	<5	<5	<5	<5	100	<5
MW-157	11/8/2000		280695	<5	<5	<5	<5	120	<2
MW-157	6/21/2001		296411	<5	<5	7.3	<5	65	<2
MW-157	7/19/2002		324153	<5	<5	<5	<5	99	<2
MW-157	12/4/2003		503002602	<5	<5	5.3	<5	100	<2
MW-157	3/11/2004		503237125	<5	<5	<5	<5	110	<2
MW-157	6/4/2004		503493256	<5	<5	<5	<5	16	<2
MW-157	9/14/2004		A675208	<1	<1	2.6	<1	90	<1
MW-157	12/21/2004		A685815	<1	<1	1.9	<1	120	<1
MW-157	3/15/2005		A693378	<1	<1	1.6	<1	89	<1
MW-157	6/14/2005		A702982	<1	<1	2.0	<1	94	<1
MW-157	9/23/2005		A713016	<1	<1	1.91	<1	94.9	<1
MW-157	12/5/2005		NS						
MW-157	3/13/2006		NS						
MW-157	6/15/2006		A737767	<1	<1	1.3	<1	89	<1
MW-157	10/13/2006		A749067	<1	<1	1.6	<1	120	<1
MW-157	12/21/2006		A756777	<1	<1	3.6	<1	110	<1
MW-157	3/23/2007		A764758	<1	<1	<1	<1	57	<1
MW-157	7/3/2007		A775757	<1	<1	<1	<1	100	<1
MW-157	9/7/2007		A781795	<1	<1	1.2	<1	120	<1
MW-157	11/30/2007		A790706	<1	<1	1.0	<1	100	<1
MW-157	3/19/2008		A803426	<1	<1	<1	<1	9.3	<1
MW-157	5/30/2008		A812364	<1	<1	<1	<1	53	<1
MW-157	9/24/2008		A824677	<1	<1	<1	<1	71	<1
MW-157	12/3/2008		A832818	<1	<1	<1	<1	95	<1
MW-157	3/12/2009		A841816	<1	<1	<1	<1	98	<1
MW-157	9/16/2009		A858558	<1	<1	<1	<1	70	<1
MW-157	11/4/2009		A864558	<1	<1	<1	<1	92	<1
MW-157	1/27/2010		5034229007	<5	<5	<5	<5	89.1	<2
MW-157	5/21/2010		5037756020	<5	<5	<5	<5	88.1	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>				640	7	70	128 <sup>(2)</sup>	5	2
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>				10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
<b>EAST BIOREMEDIAL AREA (Off-Site)</b>									
IW-1	3/3/2004	10.5-15.5	503207557		NA	NA	NA	1,000	NA
IW-1	7/16/2004		A669495	<1	<1	140	4.8	1,100	<1
IW-1	8/16/2004		A671797	<1	<1	87	3.5	900	<1
IW-1	10/18/2004		A678052	<1	<1	330E	7.8	1,500	<1
IW-1	11/19/2004		A681808	<1	2.8	1,700	8.3	640	2.2
IW-1	12/21/2004		A685840	<1	5.6	3,600	43	51	2.2
IW-1	1/24/2005		A688372	<1	3.5	1,700	33	32	1.7
IW-1	3/15/2005		A693405	<1	3.7	2,700	46	11	<1
IW-1	6/14/2005		A702977	<1	3.3	2,400	55	29	5.5
IW-1	9/23/2005		A713027	<1	2.1	1,400	40	59	350
IW-1	12/7/2005		A721025	<1	2.9	140	25	50	620
IW-1	3/15/2006		A728648	<1	<1	380	31	100	25
IW-1	6/15/2006		A737763	<1	3.0	430	20	120	83
IW-1	9/26/2006		A747962	<1	1.7	230	20	200	61
IW-1	11/21/2006		A753702	<1	1.0	620	9.8	26	100
IW-1	12/21/2006		A756772	<10	<10	340	<10	<10	170
IW-1	1/19/2007		A758758	<1	<1	71	6.5	1.4	690
IW-1	3/22/2007		A764740	<1	<1	77	3.3	2.6	200
IW-1	7/3/2007		A775755	<1	<1	7.1	<1	3.2	<1
IW-1	9/7/2007		A781793	<1	<1	14	1.1	1.8	82
IW-1	11/30/2007		A790712	<1	<1	2.1	<1	1.0	7.2
IW-1	3/20/2008		A803422	<1	<1	50	3.1	2.6	47
IW-1	5/29/2008		A812358	<1	<1	<1	3.5	<1	1.3
IW-1	9/24/2008		A824672	<1	<1	4.4	1.2	88	6.4
IW-1	12/3/2008		A832813	<1	<1	4.0	<1	<1	6.7
IW-1	3/13/2009		A841813	<1	<1	<1	<1	<1	<1
IW-1	6/18/2009		A850589	<1	<1	<1	<1	<1	25
IW-1	9/15/2009		A858539	<1	<1	<1	<1	<1	<1
IW-1	11/4/2009		A864552	<1	<1	<1	<1	<1	4.9
IW-1	1/27/2010		5034231004	<5	<5	<5	<5	<5	<2
IW-1	5/20/2010		5037760004	<5	<5	<5	<5	<5	<2
IW-1	9/16/2010		5041525017	<5	<5	<5	<5	<5	<2
IW-1	12/7/2010		5044189003	<5	<5	<5	<5	<5	<2
IW-1	2/15/2011		5045903007	<5	<5	<5	<5	<5	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
IW-2	3/3/2004	12-17	503207565	<1	NA	NA	NA	310	NA
IW-2	7/16/2004		A669496	<1	<1	44	2.0	170	<1
IW-2	8/16/2004		A671799	<1	<1	46	1.8	210	<1
IW-2	10/18/2004		A678050	<1	<1	96	2.9	290	<1
IW-2	11/19/2004		A681812	<1	1.9	550	5.8	150	2.5
IW-2	12/21/2004		A685842	<1	<1	310	6.9	230	1.1
IW-2	1/24/2005		A688374	<1	<1	240	4.3	190	1.7
IW-2	3/15/2005		A693407	<1	<1	280	4.2	130	21
IW-2	6/14/2005		A702976	<1.	<1	130	3.3	160	<1
IW-2	9/23/2005		A713026	<1	<1	37	2.1	130	<1
IW-2	12/7/2005		A721024	<1	<1	51	3.1	190	<1
IW-2	3/15/2006		A728647	<1	<1	54	2.6	180	<1
IW-2	6/13/2006		A737745	<1	<1	18	1.9	110	<1
IW-2	9/26/2006		A747963	<1	<1	32	3.0	110	<1
IW-2	11/21/2006		A753701	<1	<1	89	3.1	83	12
IW-2	12/21/2006		A756771	<10	<10	41	<10	100	<10
IW-2	1/19/2007		A758757	<1	<1	59	2.0	91	8.6
IW-2	3/22/2007		A764739	<1	<1	31	1.9	100	3.3
IW-2	7/3/2007		A775753	<1	<1	14	2.0	140	2.5
IW-2	7/3/2007		A775752	<1	<1	15	2.2	130	2.9
IW-2	9/6/2007		A781785	<1	<1	20	1.9	130	<1
IW-2	11/30/2007		A790713	<1	<1	18	1.1	110	<1
IW-2	3/20/2008		A803421	<1	<1	64	2.3	100	4.5
IW-2	5/29/2008		A812357	<1	<1	16	1.1	75	<1
IW-2	9/24/2008		A824671	<1	<1	27	1.9	190	<1
IW-2	12/3/2008		A832812	<1	<1	17	1.1	110	13
IW-2	3/13/2009		A841814	<1	<1	30	1.4	85	11
IW-2	6/18/2009		A850591	<1.	<1	15	<1	60	<1
IW-2	9/15/2009		A858541	<1	<1	19	1.4	89	<1
IW-2	11/4/2009		A864538	<1	<1	21	1.1	90	4.0
IW-2	1/27/2010		5034231005	<5	<5	14.9	<5	67	<2
IW-2	5/20/2010		5037760003	<5	<5	18.6	<5	66.3	<2
IW-2	9/16/2010		5041525020	<5	<5	15.2	<5	112	<2
IW-2	12/10/2010		5044189034	<5	<5	6.6	<5	55.1	<2
IW-2	2/17/2011		5045903026	<5	9.4	225	12	430	<2
IW-2	10/3/2012		5070279012	<5	<5	14.3	<5	70.3	3

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>	640	7	70	128 <sup>(2)</sup>	5	2
			Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>	10,220	7	1,022	2,040 <sup>(2)</sup>	260	10
MW-159	9/14/2010	N/A	5041343003	<5	<5	<5	<5	<5	<2
MW-159	12/9/2010		5044189021	<5	<5	<5	<5	<5	<2
MW-159	9/14/2011		5052702009	<5	<5	<5	<5	<5	<2
MW-163	11/8/2000	10-20	280701	<5	11	600	11	1,500	<2
MW-163	6/20/2001		296395	<5	13	800	14	1,800	<2
MW-163	7/18/2002		324117	<1	<1	488	6.2	1,650	<1
MW-163	7/18/2002		324119	<1	<1	521	7.1	1,600	<1
MW-163	7/16/2004		A669497	<1	<1	250	5.9	1,300	<1
MW-163	7/16/2004		A669498	<1	<1	240	5.4	1,100	<1
MW-163	8/16/2004		A671798	<1	<1	240	3.7	790	<1
MW-163	8/16/2004		A671803	<1	<1	210	3.8	680	<1
MW-163	10/18/2004		A678053	<1	<1	530E	9.6	1,600	<1
MW-163	11/19/2004		A681810	<1	2.2	1,300	15	700	<1
MW-163	12/21/2004		A685841	<1	<1	620	18	470	<1
MW-163	1/24/2005		A688371	<1	<1	380	9	360	<1
MW-163	3/15/2005		A693406	<1	<1	650	15	400	<1
MW-163	6/14/2005		A702978	<1	<1	430	14	430	<1
MW-163	9/23/2005		A713028	<1	2.0	1,200	34	640	54
MW-163	12/7/2005		A721031	<1	1.5	830	35	520	220
MW-163	3/15/2006		A728649	<1	<1	270	9.1	410	96
MW-163	6/15/2006		A737764	<1	<1	220	8.1	440	52
MW-163	9/26/2006		A747961	<1	<1	120	9.7	450	20
MW-163	11/21/2006		A753703	<1	1.2	1,200	11	58	42
MW-163	12/21/2006		A756773	<1	<1	91	2.6	28	13
MW-163	1/19/2007		A758759	<10	<10	170	<10	<10	58
MW-163	3/22/2007		A764741	<1	<1	210	8.1	23	230
MW-163	7/3/2007		A775754	<1	<1	41	1.7	46	<1
MW-163	9/7/2007		A781792	<1	<1	18	1.2	16	30
MW-163	11/30/2007		A790714	<1	<1	38	1.1	14	52
MW-163	3/20/2008		A803423	<1	<1	18	<1	11	2.4
MW-163	5/29/2008		A812359	<1	<1	100	5.2	22	77
MW-163	9/24/2008		A824673	<1	<1	5.5	1.3	5.6	15
MW-163	12/3/2008		A832814	<1	<1	<1	<1	1.6	<1
MW-163	3/13/2009		A841812	<1	<1	1.9	<1	10	1.0
MW-163	6/18/2009		A850590	<1.	<1	39	1.5	32	11
MW-163	9/15/2009		A858540	<1	<1	19	<1	20	12
MW-163	11/4/2009		A864553	<1	<1	16	<1	93	9.2
MW-163	1/27/2010		5034231003	<5	<5	<5	<5	67	<2
MW-163	5/20/2010		5037760005	<5	<5	<5	<5	53.9	<2
MW-163	9/16/2010		5041525018	<5	<5	<5	<5	<5	5
MW-163	12/10/2010		5044189030	<5	<5	9.3	<5	48.1	2.5
MW-163	2/16/2011		5045903022	<5	<5	<5	<5	35.3	<2
MW-163	9/14/2011		5052702010	<5	<5	13.6	<5	27.8	2.2
MW-163	3/6/2012		5059760006	<5	<5	<5	<5	54.3	<2
MW-163	10/2/2012		5070279011	<5	<5	<5	<5	144	<2
MW-163	4/10/2013		5078784017	<5	<5	30.7	<5	277	<2

**Table 2**  
**VOC in Groundwater Shallow Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP # 6991004**

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

$\mu\text{g/L}$  = micrograms per liter

E = Result is Esti NA = Not Applicable NS = Not Sampled

\*cis-1,2-Dichloroethylene and

<sup>(1)</sup> Indiana Department of Environmental Management's voluntary Remediation Program Resource Guide, Appendix E Tier II.

<sup>1</sup> Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996.

(2) Calculations are meant to fit the model. The other option

<sup>(2)</sup> Calculated using surrogate toxicity values and Tier 2

<sup>(3)</sup> Exceeded analytical holding time for w

<sup>(4)</sup> Exceeded analytical holding time.

<sup>(5)</sup> Exceeded analytical holding time for cis-1,2-Dichloroethene.

**Table 3**  
**VOC in Groundwater - Deep Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>			640	7	70	128 <sup>(2)</sup>	5	2	
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>			10,220	7	1,022	2,040 <sup>(2)</sup>	260	10	
<b>WEST SOURCE AREA</b>									
MW-165D	1/30/2002	42-47	312999	8.3	7	3,300	11	<5	1,500
	7/18/2002		324109	4.9	4.2	2,820	9.6	<1	973
	12/05/2003		503002651	6.2	6.7	2,700	12	<5	980
	3/11/2004		503237075	<5	6.2	2,300	16	<5	840
	6/3/2004		503493041	<5	<5	2,000	8.8	<5	400
	6/3/2004		503493041	<5	<5	2,000	8.8	<5	400
	9/14/2004		A675199	<25	<25	1,800	<25	<25	740
	12/20/2004		A685807	6	6	3,300	15	<1	1,000
	3/15/2005		A693379	3.5	3.3	1,900	12	<1	640
	6/13/2005		A702971	2.9	1.1	1,400	6.2	<1	14
	9/21/2005		A713001 <sup>3</sup>	3.2	3.45	2,270	7.41	<1	921
	12/6/2005		A721009	4.2	3.8	2,200	34	<1	780
	3/14/2006		A728634	2.7	2.5	1,600	6.2	<1	400
	6/13/2006		A737747	1.7	1.6	1,100	11	<1	560
	9/27/2006		A747972	2.8	2.6	1,800	20	<1	770
	12/21/2006		A756785	2.5	2.3	1,600	16	<1	860
	3/21/2007		A764748	2.1	1.2	1,200	13	<1	840
	7/2/2007		A775743	1.6	1.0	810	7.2	<1	<1
	9/7/2007		A781803	1.2	<1	4.4	1.9	<1	<1
	11/28/2007		A790698	1.8	1.5	1,200	5.2	<1	610
	3/19/2008		A803405	1.4	<1	310	5.1	<1	190
	5/28/2008		A812344	<10	<10	470	<10	<10	530
	9/23/2008		A824654	<10	<10	300	<10	<10	350
	12/2/2008		A832835	1.1	<1	650	5.4	<1	550
	3/12/2009		A841820	<1	<1	300	3.2	<1	340
	6/18/2009		A850586	<1	<1	240	2.2	<1	500
	9/15/2009		A858548	<1	<1	98	<1	<1	160
	11/3/2009		A864548	<1	<1	280	2.4	<1	400
	2/3/2010		5034508007	<5	<5	255	<5	<5	286
	5/19/2010		5037756007	<5	<5	161	<5	<5	164
	9/17/2010		5041525007	<5	<5	149	<5	<5	271
	12/8/2010		5044189011	<5	<5	178	<5	<5	249
	2/16/2011		5045903011	<5	<5	99	<5	<5	203
	9/16/2011		5052819003	<5	<5	89.6	<5	<5	221
	3/8/2012		5059760020	<5	<5	63.6	<5	<5	167
	10/3/2012		5070279017	<5	<5	63.8	<5	<5	162
	4/9/2013		5078784003	<5	<5	29.9	<5	<5	166

**Table 3**  
**VOC in Groundwater - Deep Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>			640	7	70	128 <sup>(2)</sup>	5	2	
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>			10,220	7	1,022	2,040 <sup>(2)</sup>	260	10	
MW-166D	1/31/2002	46-51	313000	<5	6.1	2,000	<5	<5	730
	7/18/2002		324107	<1	5.1	2,130	3.3	<1	563
	1/6/2004		503079204	<5	<5	2,000	7.4	<5	290
	1/6/2004		503079212	<5	<5	1,700	7.9	<5	150
	3/11/2004		503237059	<5	<5	2,100	<5	<5	410
	6/3/2004		503492977	<5	<5	1,900	<5	<5	340
	9/14/2004		A675201	<1	6.6	1,900	4.7	<1	450
	12/20/2004		A685809	<1	7.4	2,400	5.6	<1	470
	3/15/2005		A693381	<1	4.2	1,900	5.3	<1	230
	6/13/2005		A702974	<1	5.5	3,700	5.0	<1	<1
	9/21/2005		A712999 <sup>3</sup>	<1	3.98	1,650	2.12	<1	303
	12/6/2005		A721012	<1	5.7	1,900	16	<1	430
	3/14/2006		A728636	<1	4.4	1,800	2.9	<1	310
	6/13/2006		A737748	<1	3.7	1,400	10	<1	240
	9/27/2006		A747973	<1	5.6	2,100	8.2	<1	350
	12/21/2006		A756786	<1	5.9	2,000	12	<1	420
	3/21/2007		A764750	<1	4.2	2,400	16	<1	410
	7/2/2007		A775745	<1	4.9	1,700	12	<1	240
	9/7/2007		A781804	<1	2.4	1,300	7.7	<1	24
	11/28/2007		A790700	<1	4.5	1,500	4.0	<1	270
	3/19/2008		A803407	<1	5.5	810	16	<1	200
	5/28/2008		A812346	<10	<10	1,500	<10	<10	310
	9/23/2008		A824656	<10	<10	1,600	<10	<10	300
	12/2/2008		A832837	<1	4.3	1,300	8.5	<1	300
	3/12/2009		A841818	<1	4.0	1,400	12	<1	330
	6/18/2009		A850583	<1	2.2	920	11	<1	150
	9/15/2009		A858547	<10	<10	850	<10	<10	210
	11/3/2009		A864549	<1	3.9	1,100	8.2	<1	240
	2/3/2010		5034508009	<5	<5	797	<5	<5	233
	5/19/2010		5037756008	<5	<5	835	5.5	<5	235
	9/17/2010		5041525009	<5	<5	949	5.1	<5	253
	12/8/2010		5044189015	<5	<5	896	<5	<5	234
	2/16/2011		5045903010	<5	<5	907	<5	<5	251
	9/16/2011		5052819001	<5	<5	763	5.2	<5	269
	3/7/2012		5059760018	<5	<5	1,080	<5	<5	469
	10/3/2012		5070279015	<5	<5	633	<5	<5	282
	4/9/2013		5078784005	<5	<5	465	<5	<5	250

**Table 3**  
**VOC in Groundwater - Deep Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>			640	7	70	128 <sup>(2)</sup>	5	2	
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>			10,220	7	1,022	2,040 <sup>(2)</sup>	260	10	
MW-167D	1/31/2002	28-33	313005	<5	<5	530	11	<5	390
	7/17/2002		324025	<1	<1	274	12.2	<1	253
	12/04/2003		503002677	<5	<5	380	12	<5	230
	12/04/2003		503002685	<5	<5	390	14	<5	230
	3/11/2004		503237091	<5	<5	410	14	<5	220
	6/3/2004		503493207	<5	<5	510	12	<5	240
	9/14/2004		A675203	<1	<1	480	13	<1	290
	9/14/2004		A675205	<1	<1	480	14	<1	300
	12/21/2004		A685813	<1	<1	1,300	23	<1	400
	12/21/2004		A685824	<1	<1	680	22	1.0	240
	3/15/2005		A693376	<10	<10	580	18	<10	160
	3/15/2005		A693403	<1	<1	530	18	<1	150
	6/13/2005		A702968	<1	<1	510	14	<1	99
	9/23/2005		A713019	<1	<1	630	19	<1	110
	9/23/2005		A713020	<1	<1	640	20	<1	120
	11/7/2005		A717639	<1	<1	740	33	<1	110
	12/6/2005		A721002	<1	<1	670	21	<1	160
	12/6/2005		A721003	<1	<1	640	21	<1	150
	3/13/2006		A728629	<1	<1	680	18	<1	150
	3/13/2006		A728630	<1	<1	670	17	<1	140
	6/12/2006		A737740	<1	<1	460	16	<1	29
	6/12/2006		A737741	<1	<1	460	17	<1	32
	9/27/2006		A747969	<1	<1	550	21	<1	75
	9/27/2006		A747970	<1	<1	570	20	<1	81
	12/21/2006		A756782	<1	<1	670	20	<1	110
	12/21/2006		A756784	<1	<1	640	21	<1	100
	3/21/2007		A764745	<1	<1	18	<1	<1	3.6
	3/21/2007		A764746	<1	<1	20	1.1	<1	3.9
	7/2/2007		A775741	<1	<1	290	17	<1	68
	9/7/2007		A781800	<1	<1	510	21	<1	79
	9/7/2007		A781801	<1	<1	520	22	<1	84
	11/28/2007		A790695	<1	<1	610	21	<1	84
	11/28/2007		A790696	<1	<1	710	24	<1	92
	3/19/2008		A803403	<1	<1	58	2.2	<1	5.4
	3/19/2008		A803410	<1	<1	38	1.4	<1	3.1
	5/28/2008		A812341	<1	<1	410	24	<1	30
	5/28/2008		A812342	<1	<1	350	23	<1	28
	9/23/2008		A824651	<5	<5	660	21	<5	41
	9/23/2008		A824652	<5	<5	510	24	<5	46
	12/1/2008		A832833	<1	<1	730	26	<1	49
	12/1/2008		A832832	<1	<1	700	26	<1	45
	3/12/2009		A841822	<1	<1	560	25	<1	32
	3/12/2009		A841823	<1	<1	570	26	<1	31
	6/19/2009		A850598	<1	<1	660	29	<1	23
	6/19/2009		A850610	<1	<1	550	25	<1	19
	9/16/2009		A858562	<10	<10	500	11	<10	45
	9/16/2009		A858566	<1	<1	580	19	<1	69
	11/3/2009		A864545	<1	<1	580	25	<1	34
	11/3/2009		A864546	<1	<1	740	25	<1	33
	2/3/2010		5034508004	<5	<5	419	22.7	<5	16.5
	2/3/2010		5034508005	<5	<5	443	22.8	<5	17
	5/19/2010		5037756003	<5	<5	644	24.2	<5	24.5
	5/19/2010		5037756004	<5	<5	532	24.9	<5	24.9
	9/16/2010		5041525003	<5	<5	437	19.8	<5	22
	9/16/2010		5041525004	<5	<5	438	16.6	<5	18.6
	12/8/2010		5044189013	<5	<5	635	25.6	<5	17.8
	2/18/2011		5045903029	<5	<5	727	28.8	<5	20.5
	9/16/2011		5052819005	<5	<5	428	20.2	<5	16
	9/16/2011		5052819006	<5	<5	462	19.8	<5	16
	3/7/2012		5059760014	<5	<5	707	18.9	<5	19.6
	10/25/2012		5071342001	<5	<5	407	21.1	<5	10.5
	4/10/2013		5078784014	<5	<5	408	23.5	<5	10.9

**Table 3**  
**VOC in Groundwater - Deep Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

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**VOC in Groundwater - Deep Monitoring Wells**  
**Former Allison Plant 10**  
**Indianapolis, Indiana**  
**IDEM VRP #6991004**

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Tier II Residential Cleanup Goals - Groundwater <sup>(1)</sup>			640	7	70	128 <sup>(2)</sup>	5	2	
Tier II Non-Residential Cleanup Goals - Groundwater <sup>(1)</sup>			10,220	7	1,022	2,040 <sup>(2)</sup>	260	10	
MW-302	2/6/1997	45-55	W7020074-18	<5	<5	8.2	<5	<5	<10
	11/23/1999		253795	<5	<5	<5	<5	<5	<5
	2/28/2000		260593	<5	<5	11	<5	<5	<5
	11/8/2000		280710	<5	<5	<5	<5	<5	<2
	6/21/2001		296403	<5	<5	<5	<5	<5	<2
	7/22/2002		324186	<5	<5	6	<5	<5	3.3
	12/03/2003		503002719	<5	<5	<5	<5	<5	4.7
	6/11/2004		503518110	<5	<5	<5	<5	<5	<2
	9/15/2004		A675217	<1	<1	<1	<1	<1	4.1
	12/22/2004		A685822	<1	<1	1.5	<1	<1	4.9
	3/16/2005		A693393	<1	<1	1.5	<1	<1	3.3
	6/15/2005		A702992	<1	<1	<1	<1	<1	2.3
	9/22/2005		A713005	<1	<1	<1	<1	<1	<1
	12/7/2005		A721017	<1	<1	<1	<1	<1	2.1
	3/14/2006		A728640	<1	<1	<1	<1	<1	1.1
	6/13/2006		A737754	<1	<1	<1	<1	<1	2.2
	9/29/2006		A747982	<1	<1	<1	<1	<1	<1
	12/20/2006		A756761	<1	<1	<1	<1	<1	1.1
	3/21/2007		A764730	<1	<1	1.9	<1	24	<1
	7/3/2007		A775751	<1	<1	<1	<1	<1	<1
	9/6/2007		A781779	<1	<1	<1	<1	<1	<1
	11/29/2007		A790679	<1	<1	<1	<1	<1	<1
	3/19/2008		A803414	<1	<1	<1	<1	<1	<1
	5/29/2008		A812352	<1	<1	<1	<1	<1	<1
	9/23/2008		A824668	<1	<1	<1	<1	<1	<1
	9/23/2008		A824669	<1	<1	<1	<1	<1	<1
	12/2/2008		A832803	<1	<1	<1	<1	<1	<1
	3/13/2009		A841833	<1	<1	<1	<1	<1	<1
	6/19/2009		A850607	<1	<1	<1	<1	<1	<1
	9/15/2009		A858553	<1	<1	<1	<1	<1	<1
	11/3/2009		A864531	<1	<1	<1	<1	<1	<1
	1/27/2010		5034229014	<5	<5	<5	<5	<5	<2
	5/20/2010		5037756013	<5	<5	<5	<5	<5	<2
	9/15/2010		5041413004	<5	<5	<5	<5	<5	<2
	12/7/2010		5044189002	<5	<5	<5	<5	<5	<2
	2/16/2011		5045903014	<5	<5	<5	<5	<5	<2

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

$\mu\text{g/L}$  = micrograms per liter NS = Not Sampled

<sup>(1)</sup> Indiana Department of Environmental Management Voluntary Remediation

Program Resource Guide, Appendix F Tier II Cleanup Goals

Evaluation by Office of Environmental Response, July 1996.

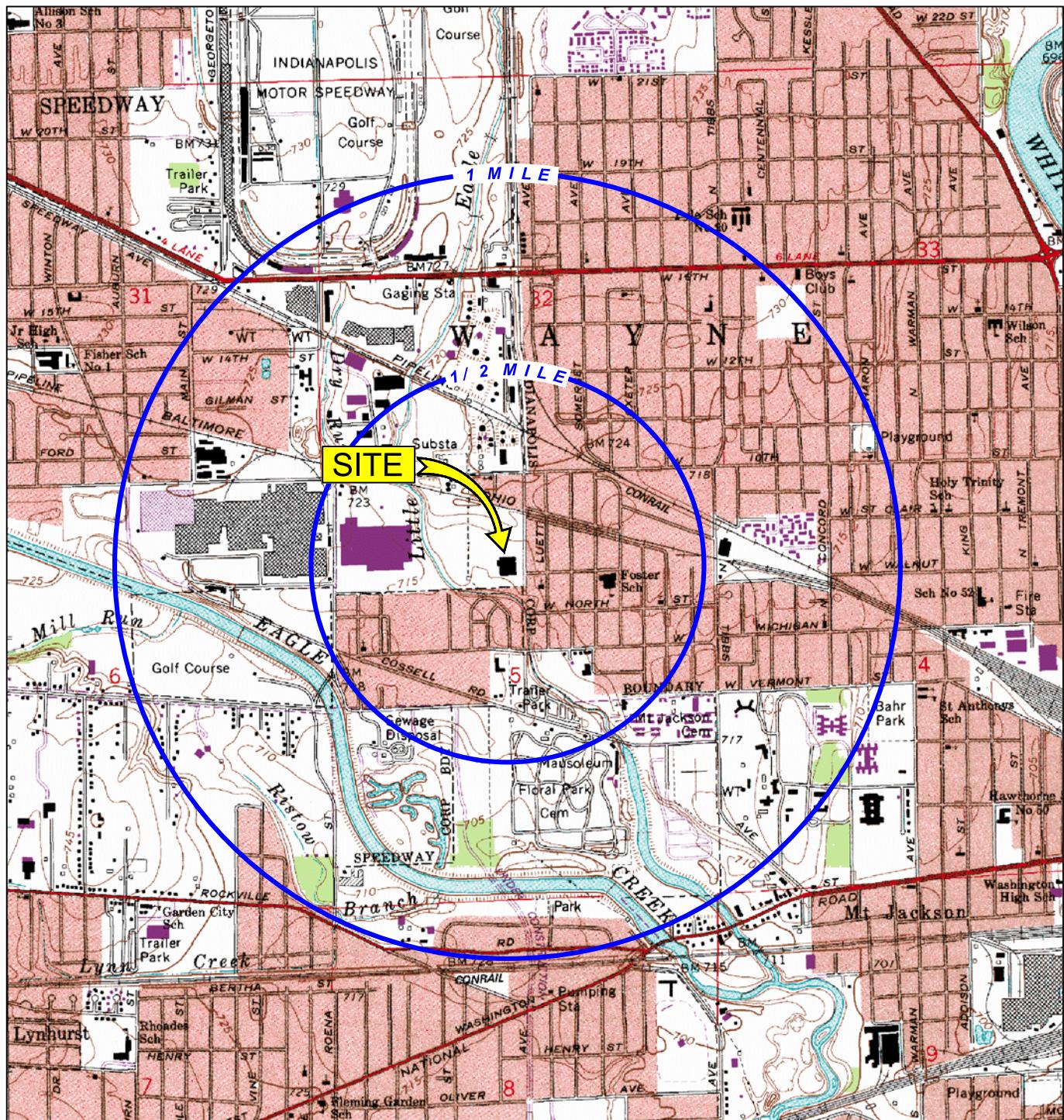
<sup>(2)</sup> Calculated using surrogate toxicity values and Tier II equations.

<sup>(3)</sup> Exceeded analytical holding times for cis-1,2-Dichloroethene and vinyl chloride

<sup>(4)</sup> Exceeded analytical holding time for vinyl chloride.

Exceeded analytical holding time for vinyl chloride.

## Figures



SOURCE: U.S.G.S. 7.5 minute series (topographic)  
Indianapolis West, Indiana Quadrangle, 1967 (Photorevised 1980 and Photoinspected 1984).

**ENVIRON**

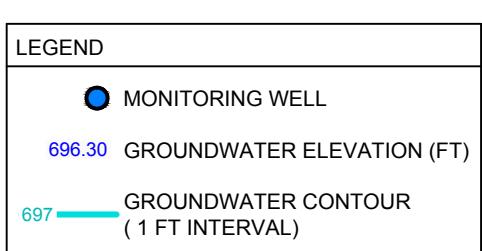
**SITE LOCATION MAP**  
FORMER ALLISON PLANT 10  
700 NORTH OLIN AVENUE  
INDIANAPOLIS, INDIANA

Figure

1



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH



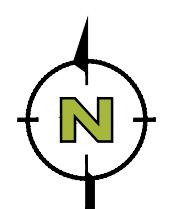
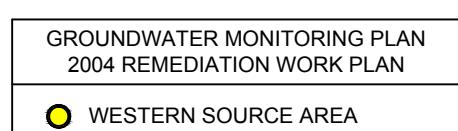
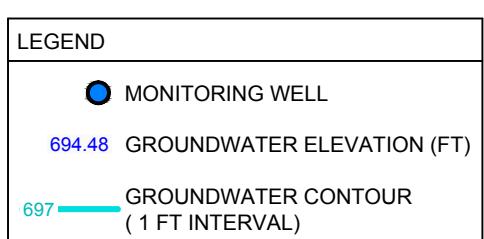
GROUNDWATER MONITORING PLAN  
2004 REMEDIATION WORK PLAN

WESTERN SOURCE AREA

APPROX. SCALE (ft)  
0 200



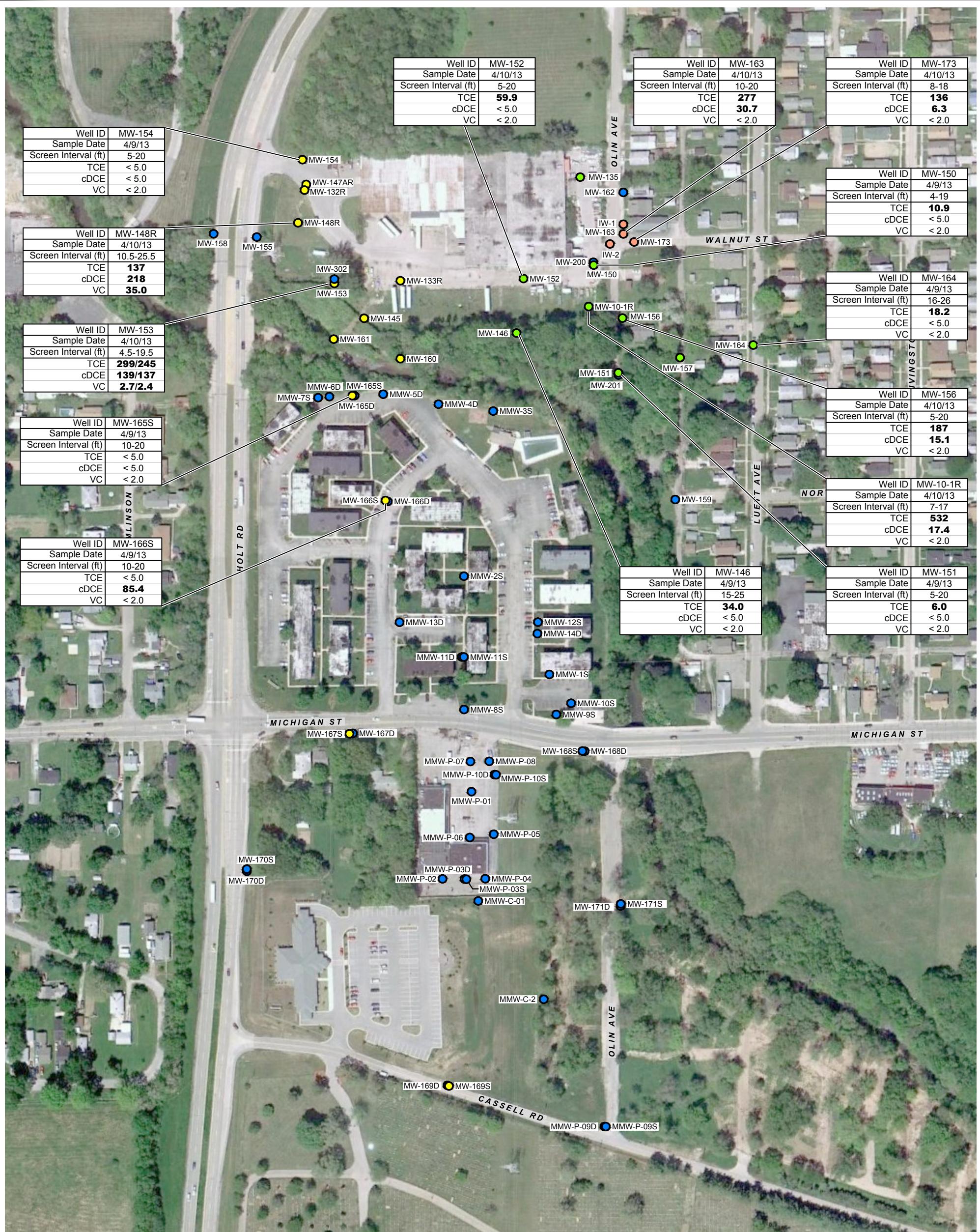
AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH



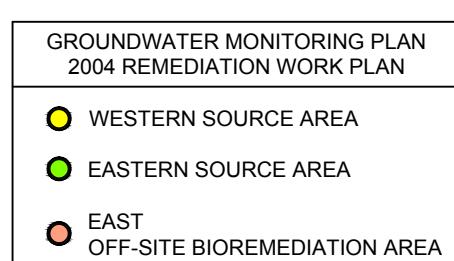
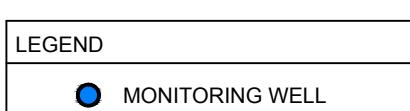
APPROX. SCALE (ft.)

**GROUNDWATER POTENTIOMETRIC SURFACE MAP  
DEEP MONITORING WELLS - APRIL 8, 2013  
FORMER ALLISON PLANT 10, 700 NORTH OLIN AVENUE  
INDIANAPOLIS, INDIANA**

## FIGURE 3



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH



**NOTES:**  
 TCE = Trichloroethene  
 cDCE = cis-1,2-Dichloroethene  
 VC = Vinyl Chloride  
 All results reported in micrograms per liter (ug/L).



APPROX. SCALE (ft.)  
 0 200



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH



NOTES:  
 TCE = Trichloroethene  
 cDCE = cis-1,2-Dichloroethene  
 VC = Vinyl Chloride  
 All results reported in micrograms per liter (ug/L).



APPROX. SCALE (ft.)  
 0 200

**Appendix A**  
**Standard Operating Procedures**

# Standard Operating Procedure: Groundwater Sampling and Field Measurement Procedures

This standard operating procedure (SOP) sets forth the field procedures for the sampling of groundwater. The procedures include monitoring well inspection, groundwater elevation measurement, decontamination of nondedicated sampling equipment, and groundwater sampling.

## Monitoring Well Inspection

The condition of the monitoring wells will be inspected and documented as necessary during each sampling event prior to the collection of data. The following information may be noted:

- Protective casing – Inspect for the presence of a lockable protective cover, and determine if the physical condition of the casing is adequate and allows for sampling. Inspect for a drain hole near the base of the casing. If clogged or not present, attempt to clean out the hole or drill a new one. If damage to the protective casing exists such that sample collection cannot be completed, field staff will notify the Project Manager to determine a course of action. If it is determined that the cover needs replacement, sampling of the well may require postponement or cancellation, depending on the significance of the location of the well in question. Notes regarding the conditions will be entered in the field notebook.
- Surface seal – In general, the surface seal underlies a sloping concrete pad that has been installed around the base of the protective casing with a lockable cover. Inspect the concrete pad for cracking or other conditions that may potentially allow surface water to enter the annular space between the protective casing and the well riser. Note observations in the field notebook so that appropriate future corrective action can be taken.
- Degree of immobility of protective casing – Place hands on the protective casing and gently but firmly attempt to move the casing. If the casing moves easily, it will require future re-setting, and appropriate notes will be entered in the field notebook. This condition will not preclude sampling.
- Permanent legible labels – Each well should have a permanent label indicating the well name/number. If a label is missing or not legible, use a permanent marking device to re-label the well appropriately after confirming the identity of the well through the use of site maps, depth-to-bottom measurements, or other methods.
- Lock – Each well should be locked with a similarly keyed lock. If an individual lock is damaged to the point that it is not functional, or if a lock from an unknown origin is in use, it will be removed with a bolt cutter and replaced. Missing locks will also be replaced. Field notes will include documentation of lock replacement if it is required. The key numbers for replaced locks will be entered in the field notebook.
- Well cap – **Note: Prior to opening the well cap, inspect for the presence of biting or stinging insects and/or poisonous plants.** After opening each well, a PVC slip-on cap should be found in-place over each well riser. Missing caps will be replaced with one of

similar size and type. An air venting hole will be drilled into each replacement well riser cap. The field notebook will include documentation of well cap replacement if it is required.

- Well plumbness check (ease of inserting/removing bailer) – Low-flow pumping techniques will be used to sample wells. As such, well plumbness should not be an issue. However, if a well is suspected of being significantly out of plumb, a 3-foot-long bailer will be inserted to the bottom of the well to determine well condition. Problem wells will be noted in the field notebook and may be repaired in the future after evaluation of the problem.
- Sediment in well – The potential presence of sediment in each well will be checked based on a comparison of historical depth-to-bottom measurements with current measurements obtained after completing the groundwater level measurements. A water level tape will be lowered to the bottom of each well, and a depth measurement will be recorded in the field notebook. The measurement will then be compared to historical well depth measurements and the original well construction log to determine the depth of sediment that may be present in the well. Significant volumes of sediment, as indicated by sediment depths near or greater than the screen length, can impede groundwater sampling and may require re-development of an individual well.

If required, redevelopment of a well will be performed using a bailer to surge and purge the individual well of sediment-laden water. Pumping may also be employed to remove sediment. The volume of water removed will be recorded in the field notebook. After redevelopment has proceeded for a reasonable time, the procedure will be stopped to allow suspended solids to settle in the well. Measurement of the depth-to-bottom will then be repeated to determine the volume of solids removed. Redevelopment will proceed until the field sampler determines that a representative sample can be collected. If redevelopment is unsuccessful, the Project Manager will be notified to determine a course of action.

### **Groundwater Elevation Measurement**

In order to determine the static water elevation, the static water level will be measured prior to purging and sampling at each monitoring well in the sampling program. All static water level measurements will be obtained on the first day of the sampling event or within a 24-hour period, except as described in the following section. The measurements will be obtained prior to purging the monitoring wells for water quality sampling. The vertical reference points (e.g., top-of-casing and ground surface) have been surveyed to the nearest 0.01 foot and referenced to the local coordinate system.

Depth to water will be measured using an electronic water level meter such as a Solinst Model 101 water level meter or equivalent. Prior to use, the downhole cable must be cleaned and the unit turned on. The probe is lowered into the well until a beep tone is heard. At this depth, the marking on the cable is read in feet to the nearest hundredth at the reference point. No calibration is needed. Groundwater elevation will be calculated as the surveyed reference point elevation (in feet) minus the depth to water.

## **Decontamination Procedures for Non-Dedicated Sampling Equipment**

Proper decontamination of sampling equipment is essential to minimize the possibility of cross-contamination of samples. Non-dedicated equipment used for sampling various environmental media (soil, groundwater, surface water, etc.) will be cleaned before its initial use in the field and again before use at each subsequent sampling site.

All non-dedicated sampling equipment will be new, or will be decontaminated prior to its initial use on-site. Decontamination procedures will include the following steps:

1. Wash the equipment in a non-phosphate detergent.
2. Rinse with potable tap water.
3. Rinse with deionized (DI) or distilled water.

Non-dedicated equipment that is to be used at additional locations at the site will be field-decontaminated between sampling locations. The field decontamination of sampling equipment will take place at the sampling location. All decontamination water will be contained in 5-gallon plastic buckets and combined with other decontamination wastewater.

To the extent practicable, single-use sampling equipment and materials will be used for the collection of all environmental samples. The materials used will be new and clean, and will be placed in plastic for transport to the site. Once used, this equipment will be placed in plastic bags and managed as investigation-derived waste material.

## **Groundwater Sampling Procedures**

Groundwater samples will be collected from the selected monitoring wells using a low-flow pumping technique. This sampling method involves purging the well with the pump intake set at the desired sampling depth at a rate that should not mobilize naturally non-mobile colloidal matter, does not create excessive water level drawdown, minimizes pressure changes in the purged water, and does not appreciably change the oxidation-reduction state of the sample. This sampling method minimizes the disturbance of the sample, thereby reducing sampling artifacts, and improves the consistency and quality of the groundwater sample results. In addition, the low-flow sampling method significantly reduces the volume of potentially contaminated purge water generated during the sampling process. In general, low-flow purging and sampling methods developed by USEPA (See for example USEPA, 1996a) will be followed.

Each monitoring well will be pumped using a submersible pump (e.g., Bladder, Keck™, Grundfos™, Whale™, or equivalent pump). The submersible pump intake (or tubing) will be slowly lowered to the middle of the screened interval and the well will be pumped at a flow rate ranging from 100 to 500 milliliter/minute (mL/min). The pumping rate for each monitoring well is dependent on the hydraulic properties of the formation the well is screened across, and will be determined in the field to be the highest flow rate attainable without creating drawdown greater than approximately 0.1 meter (0.3 feet), or at a minimum of 100 mL/min. During pump start-up,

drawdown may exceed the 0.1 meter target and then recover as pump flow adjustments are made. Drawdown monitoring should utilize the stabilized drawdown level, not the initial level.

A flow-through cell equipped with temperature, oxidation-reduction potential, dissolved oxygen, specific electrical conductance, pH, and turbidity probes will be connected to the discharge tubing from the pump. Each of these parameters will be measured at each well during purging to evaluate stabilization. Wells will be considered stable when the following conditions apply between three successive 3 to 5 minute sampling intervals:

- The temperature change is within 0.5°C.
- The conductance change is within 3%.
- The turbidity change is within 10% or the reading is below 10 nephelometric turbidity units (NTUs).
- The dissolved oxygen change is within 10%.
- The redox ( $E_H$ ) change is within 10 mV.
- The pH change is within 0.1 pH units.
- The water level drawdown is less than 0.1 meters during purging.

The wells will be sampled immediately following stabilization. The samples will be taken from the pump discharge after the flow-through cell has been disconnected.

In accordance with USEPA's "Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells" (USEPA, 1996b), if the aquifer transmissivity is too low to yield sufficient water to limit drawdown on the submersible pumps lowest flow setting, causing the well to be dewatered during purging, the well will be sampled as soon as the water level has recovered sufficiently to collect the appropriate sample volume needed for analysis. Recovery will be determined by monitoring the water level within the well. During the recovery period the pump intake will not be moved and samples will be collected even though the indicator field parameters may not have stabilized.

Groundwater pumped during purging, tubing, and other general waste materials generated by the sampling will be collected and managed as investigation-derived waste materials.

Calibration Procedures – The pH, ORP, specific conductance, turbidity, and dissolved oxygen meters will be calibrated daily in accordance with manufacturer's instructions. Calibration information will be recorded in the field logbook.

Operation Procedures – The sampling pump, flow-through cell, and meters will be operated according to the manufacturer's instructions.

Maintenance Procedures – The sampling pump, flow-through cell, and meters will be maintained according to the manufacturer's instructions. Maintenance information will be

recorded in the field logbook. Replacement sampling pumps, flow-through cells, and meters will be available on site or ready for overnight shipment, as necessary.

### **Sample Handling and Chain of Custody**

All samples will be stored on ice immediately after collection. Field personnel will be aware of the holding times for specific parameters and will make arrangements to have the samples delivered to the laboratory to meet these holding times. Samples will remain in the custody of the field sampling team until shipped.

Chain-of-custody documentation enables possession of a sample to be traced from sample collection through analysis and disposal. A chain-of-custody protocol will be established to document control of the samples from the point of collection to delivery to the analytical laboratory. Samples will be under the custody of a designated person at all times. The control of custody will be documented on a chain-of-custody form. The chain-of-custody form will document the names, signatures, and affiliations of personnel in custody of the samples, and the dates and times custody was transferred. The sampling personnel will be responsible for sample custody in the field. The laboratory sample custodian and analysts will be responsible for custody of the sample at the laboratory.

A copy of the chain-of-custody form will be placed in the project files, and the original will accompany the samples to the laboratory. The identity of field duplicate samples will not be disclosed to the analytical laboratory.

Shipping containers will be sealed and will be accompanied by the chain-of-custody form, with appropriate signatures. The transfer of custody is the responsibility of the sampling personnel and the laboratory staff. The procedures to be implemented are as follows:

- Place completed chain-of-custody forms in a plastic bag, seal the bag, and tape it to the inside cover of the shipping container.
- After the samples are iced, seal the coolers with strapping tape and custody seals (if applicable), add the date to the custody seals, and ship the coolers to the laboratory using overnight delivery, using a courier service, or by delivering them directly to the laboratory.
- Identify common carriers or intermediate individuals on the chain-of-custody form, and retain copies of all bills-of-lading.
- When the samples are received in the laboratory, handle and process them in accordance with the procedures in the laboratory's SOPs, or specified analytical methods.

In the laboratory, a sample custodian will be assigned to receive the samples. Upon receipt of the samples, the custodian will inspect the condition of the samples, reconcile the samples received against the chain-of-custody form, check the temperature of the samples, log the samples in the laboratory log book, and store the samples in a secured sample storage room or cabinet maintained at an appropriate temperature until assigned to an analyst for analysis. Custody will be maintained until the samples are discarded.

When samples requiring preservation by either acid (except samples for VOC analysis) or base are received at the laboratory, the pH will be measured and documented. The laboratory sample custodian will adjust the pH, if necessary, and will notify the laboratory QA/QC Coordinator of the pH adjustment so that sample collection procedures can be reviewed to determine if a modification is necessary.

Discrepancies observed between the samples received, the information on the chain-of-custody form, and the sample analysis request sheet will be resolved before the sample is assigned for analysis. The laboratory QA/QC Coordinator will be informed of any such discrepancy, as well as its resolution. Results of the inspection will be documented in the laboratory sample logbook. Discrepancies will be documented in the analytical case narrative, as appropriate.

### **References**

- United States Environmental Protection Agency (USEPA). 1996a. Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures. USEPA/540/S-95/504. April.
- USEPA. 1996b. Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells. SOP # GW 0001. July 30, Revision 2.

**Appendix B**  
**Groundwater Sample Information Sheets**

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-10-1R  
Sample I.D. #: MW-10-1R  
Sample Time: 1640  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 10 ft.  
Top of well screen: 10, 11 ft. below measuring point  
Pump intake set at: 17.86 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other: \_\_\_\_\_

- 1) Well depth (from top of measuring point) (1) 10.11 (ft)  
 2) Depth to water prior to purging (2) 15.61 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 4.5 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)

Pressure: 10 (psi)

Discharge time: 5 (sec)

Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Cloudy, raining. Rain stopped 1630

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-146  
Sample I.D. #: MW-146  
Sample Time: 1642  
Sample Date: 4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 10 ft.  
Top of well screen: 13.04 ft. below measuring point  
Pump intake set at: 18.04 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

1) Well depth (from top of measuring point) (1) 23.04 (ft)  
 2) Depth to water prior to purging (2) 9.86 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 13.18 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)

multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.

**(Required for well volume purging approach only)**

5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)

Pressure: 10 (psi)

Discharge time: 5 (sec)

Cycles per minute: 4

### Stabilization:

### Sample Parameter

### Sample Volume

### Bottle Type

### Number of Bottles

### **Preservation/Prep**

Voc

40mL

VOP

3

Hcc

**Comments/Observations/Weather Conditions:**

Sunny, 70°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 212564IE

Well #: MW-148R  
Sample I.D. #: MW-148R  
Sample Time: 705 1103  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 15 ft.  
Top of well screen: 9.16 ft. below measuring point  
Pump intake set at: 17.84 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

- 1) Well depth (from top of measuring point) (1) 24.16 (ft)  
 2) Depth to water prior to purging (2) 11.52 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 12.64 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)

multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.

**(Required for well volume purging approach only)**

5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)

Pressure: 75 (psi)

Discharge time: 5 (sec)

Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	20A	3	HCl

Comments/Observations/Weather Conditions: Sunny, windy, 75°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-150  
Sample I.D. #: MW-150  
Sample Time: 1555  
Sample Date: 4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 15 ft.  
 Top of well screen: 3.62 ft. below measuring point  
 Pump intake set at: 15.87 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other:

1) Well depth (from top of measuring point) (1) 18.62 (ft)  
 2) Depth to water prior to purging (2) 13.12 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 5.50 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 15 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

**Comments/Observations/Weather Conditions:**

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:** Genuine Parts  
**Location:** 700 North Olin, Indianapolis, IN  
**Job #:** 2125641E

Well #: MW-151  
Sample I.D. #: MW-151  
Sample Time: 1553 1353  
Sample Date: 4-9-13

Personnel Present During Sampling:

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 15 ft.  
 Top of well screen: 3,32 ft. below measuring point  
 Pump intake set at: 16,35 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other:

1) Well depth (from top of measuring point) (1) 18.32 (ft)  
 2) Depth to water prior to purging (2) 14.17 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 4.15 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)

Pressure: 10 (psi)

Discharge time: 5 (sec)

Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 75°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:** Genuine Parts  
**Location:** 700 North Olin, Indianapolis, IN  
**Job #:** 2125641E

Well #: MW-152  
Sample I.D. #: MW-152 / ms/msD  
Sample Time: 0909  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 15 ft.  
Top of well screen: 3.32 ft. below measuring point  
Pump intake set at: 16.07 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

1) Well depth (from top of measuring point) (1) 10,32 (ft)  
 2) Depth to water prior to purging (2) 13,81 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 4,51 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

#### **Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)  
Discharge time: 5 (sec)

Pressure: 10 (psi)  
Cycles per minute: 4

### **Stabilization:**

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	9	HCl

Comments/Observations/Weather Conditions:  65°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: **Genuine Parts**  
Location: **700 North Olin, Indianapolis, IN**  
Job #: **2125641E**

Well #: MW-153 / Dup  
Sample I.D. #: MW-153, MW-153 DUP  
Sample Time: 1538  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

**Matt Hennessy, ENVIRON**

Well/Purging Information:

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 15 ft.  
Top of well screen: 5.51 ft. below measuring point  
Pump intake set at: 16.43 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

- 1) Well depth (from top of measuring point) (1) 70.51 (ft)  
 2) Depth to water prior to purging (2) 12.35 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 8.16 (ft)  
 4) Volume of water standing in well (4)    (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5)     
 6) Maximum volume to be purged: #4 x #5 = (6)    (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)  
Discharge time: 5 (sec)

Pressure: 10 (psi)  
Cycles per minute: 4

### Stabilization:

Sample Parameter <u>VOC</u>	Sample Volume <u>40mL</u>	Bottle Type <u>VOA</u>	Number of Bottles <u>3 / 3</u>	Preservation/Prep <u>HCl</u>

Comments/Observations/Weather Conditions: Sunny, 80°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-154  
Sample I.D. #: MW-154  
Sample Time: 0843  
Sample Date: 4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 15 ft.  
Top of well screen: 5.35 ft. below measuring point  
Pump intake set at: 17.14 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

1) Well depth (from top of measuring point) (1) 20.35 (ft)  
 2) Depth to water prior to purging (2) 13.93 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 6.42 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)  
Discharge time: 5 (sec)

Pressure: 10 (psi)  
Cycles per minute: 9

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Cloudy, 55°, Water clear.

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-156  
Sample I.D. #: MW-156  
Sample Time: 1005  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 15 ft.  
Top of well screen: 3.22 ft. below measuring point  
Pump intake set at: 15.28 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other: \_\_\_\_\_

1) Well depth (from top of measuring point) (1) 10.22 (ft)  
 2) Depth to water prior to purging (2) 12.33 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 5.89 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)  
Discharge time: 5 (sec)

Pressure: 10 (psi)  
Cycles per minute: 4

### Stabilization:

Sample Parameter <u>VOC</u>	Sample Volume <u>40ml</u>	Bottle Type <u>VOA</u>	Number of Bottles <u>3</u>	Preservation/Prep <u>HCl</u>

Comments/Observations/Weather Conditions: Cloudy, 70

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-163  
Sample I.D. #: MW-163  
Sample Time: 1430  
Sample Date: 4-10-13

Personnel Present During Sampling:

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 10 ft.  
 Top of well screen: 9.16 ft. below measuring point  
 Pump intake set at: 15.57 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other: \_\_\_\_\_

1) Well depth (from top of measuring point) (1) 19.16 (ft)  
 2) Depth to water prior to purging (2) 11.98 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 7.18 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
 (Required for well volume purging approach only)  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 10 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### Stabilization:

Time	Depth to Water (ft)	Volume Pumped (mL)	Pumping Rate (mL/min)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1414	12.48	600	150	7.18	0.985	0.0	17.74	6.13	128
1418	12.58	1200		7.16	0.995	0.0	17.60	5.92	128
1422	12.60	1800	↓	7.15	0.998	0.0	17.47	5.90	128
1426	12.60	2400		7.14	0.997	0.0	17.38	5.79	128
1430	12.61	3200	3000	7.14	1.00	0.0	17.17	5.79	127

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

**Comments/Observations/Weather Conditions:** Cloudy

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
Location: 700 North Olin, Indianapolis, IN  
Job #: 2125641E

Well #: MW-164  
Sample I.D. #: MW-164  
Sample Time: 1455  
Sample Date: 4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 10 ft.  
 Top of well screen: 14.69 ft. below measuring point  
 Pump intake set at: 21.85 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other:

1) Well depth (from top of measuring point) (1) 124.69 (ft)  
 2) Depth to water prior to purging (2) 19.00 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 5.69 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
 (Required for well volume purging approach only)  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 200 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 75°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:** Genuine Parts  
**Location:** 700 North Olin, Indianapolis, IN  
**Job #:** 2125641E

Well #: MW-1655  
Sample I.D. #: MW-1655  
Sample Time: 0943  
Sample Date: 8-4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
Sampling method: Low-Flow  
Tubing material: LDPE  
Screen Length: 10 ft.  
Top of well screen: 9.42 ft. below measuring point  
Pump intake set at: 16.90 ft. below measuring point  
Casing radius: 2 in.  
Well material: PVC / #316 SS / Galv. Steel  
Other:

1) Well depth (from top of measuring point) (1) 19.42 (ft)  
 2) Depth to water prior to purging (2) 14.37 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 5.05 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

**Bladder Pump Controller Settings (if used):**

Recharge time: 10 (sec)  
Discharge time: 5 (sec)

Pressure: 10 (psi)  
Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Water initially red/orange, allowed to purge and clear up

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:** Genuine Parts  
**Location:** 700 North Olin, Indianapolis, IN  
**Job #:** 2125641E

Well #: MW-165D  
Sample I.D. #: MW-165D  
Sample Time: 1039  
Sample Date: 4-9-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 5 ft.  
 Top of well screen: 41,23 ft. below measuring point  
 Pump intake set at: 43,73 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other:

1) Well depth (from top of measuring point) (1) 46,23 (ft)  
 2) Depth to water prior to purging (2) 14,16 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 32,07 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**

5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 23 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### **Stabilization:**

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40ml	VFA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 65°

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:**                  Genuine Parts  
**Location:**        700 North Olin, Indianapolis, IN  
**Job #:**                2125641E

Well #: MW-1665  
Sample I.D. #: MW-1665  
Sample Time: 1131  
Sample Date: 4-9-13

Personnel Present During Sampling:

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method:	Bladder Pump	1) Well depth (from top of measuring point)	(1) <u>18.86</u> (ft)
Sampling method:	Low-Flow	2) Depth to water prior to purging	(2) <u>15.02</u> (ft)
Tubing material:	LDPE	3) Length of water column in well: #1 - #2 =	(3) <u>3.84</u> (ft)
Screen Length:	<u>10</u> ft.	4) Volume of water standing in well	(4) _____ (gal)
Top of well screen:	<u>8.86</u> ft. below measuring point	multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.	
Pump intake set at:	<u>16.94</u> ft. below measuring point	(Required for well volume purging approach only)	
Casing radius:	<u>2</u> in.	5) Number of purge volumes required	(5) _____
Well material:	<u>PVC / #316 SS / Galv. Steel</u>	6) Maximum volume to be purged: #4 x #5 =	(6) _____ (gal)
Other:			

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 10 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	vfa	3	HCl

Comments/Observations/Weather Conditions: Sunny, 70

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
 Location: 700 North Olin, Indianapolis, IN  
 Job #: 2125641E

Well #: MW-166 D  
 Sample I.D. #: MW-166D  
 Sample Time: 1243  
 Sample Date: 4-9-13

Personnel Present During Sampling:

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 5 ft.  
 Top of well screen: 44.32 ft. below measuring point  
 Pump intake set at: 46.82 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: VOC #316 SS / Galv. Steel  
 Other: \_\_\_\_\_

- 1) Well depth (from top of measuring point) (1) 49.32 (ft)
- 2) Depth to water prior to purging (2) 14.80 (ft)
- 3) Length of water column in well: #1 - #2 = (3) 34.52 (ft)
- 4) Volume of water standing in well multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells. (4) \_\_\_\_\_ (gal)  
**(Required for well volume purging approach only)**
- 5) Number of purge volumes required (5) \_\_\_\_\_
- 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used):

Recharge time: 10 (sec)  
 Discharge time: 5 (sec)

Pressure: 23 (psi)  
 Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (mL)	Pumping Rate (mL/min)	pH	Conductance (µS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1203	14.83	800	200	7.57	0.768	124	19.82	1.38	-61
1207	14.83	1600	↓	7.57	0.784	86.7	19.15	0.82	-70
1211	14.83	2400	↓	7.58	0.797	85.3	18.54	0.77	-75
1215	14.83	3200	↓	7.58	0.804	46.5	18.34	0.66	-77
1219	14.83	4000	↓	7.59	0.813	29.4	17.96	0.55	-79
1223	14.83	4800	↓	7.59	0.815	21.9	18.03	0.51	-81
1227	14.83	5600	↓	7.59	0.818	18.0	17.78	0.49	-82
1231	14.83	6400	↓	7.59	0.820	14.5	17.66	0.48	-83
1235	14.83	7200	↓	7.60	0.817	9.4	17.88	0.46	-84
1239	14.83	8000	↓	7.60	0.819	6.2	17.75	0.45	-85
1243	14.83	8800	↓	7.60	0.817	2.1	17.69	0.45	-86

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	400mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 70°

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

**Site:** Genuine Parts  
**Location:** 700 North Olin, Indianapolis, IN  
**Job #:** 2125641E

Well #: MW-167D  
Sample I.D. #: MW-167D  
Sample Time: 4202  
Sample Date: 4-10-13

**Personnel Present During Sampling:**

Matt Hennessy, ENVIRON

**Well/Purging Information:**

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 5 ft.  
 Top of well screen: 25.65 ft. below measuring point  
 Pump intake set at: 28.15 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other:

1) Well depth (from top of measuring point) (1) 30.65 (ft)  
 2) Depth to water prior to purging (2) 18.00 (ft)  
 3) Length of water column in well: #1 - #2 = (3) 12.65 (ft)  
 4) Volume of water standing in well (4) \_\_\_\_\_ (gal)  
 multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.  
**(Required for well volume purging approach only)**  
 5) Number of purge volumes required (5) \_\_\_\_\_  
 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 23 (psi)  
Discharge time: 5 (sec) Cycles per minute: 4

### Stabilization:

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

Comments/Observations/Weather Conditions: *Sunny* *75°*

**Low Flow Sampling:** Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of  $\pm 0.1$  pH,  $\pm 3\%$  conductivity,  $\pm 10\%$  temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**GROUND WATER SAMPLING  
FIELD DATA FORM**

Site: Genuine Parts  
 Location: 700 North Olin, Indianapolis, IN  
 Job #: 2125641E

Well #: MW-173  
 Sample I.D. #: MW-173  
 Sample Time: 1321  
 Sample Date: 4-10-13

Personnel Present During Sampling:

Matt Hennessy, ENVIRON

Well/Purging Information:

Purging method: Bladder Pump  
 Sampling method: Low-Flow  
 Tubing material: LDPE  
 Screen Length: 10 ft.  
 Top of well screen: 7.34 ft. below measuring point  
 Pump intake set at: 15.39 ft. below measuring point  
 Casing radius: 2 in.  
 Well material: PVC / #316 SS / Galv. Steel  
 Other: \_\_\_\_\_

- 1) Well depth (from top of measuring point) (1) 17.34 (ft)
- 2) Depth to water prior to purging (2) 13.43 (ft)
- 3) Length of water column in well: #1 - #2 = (3) 3.91 (ft)
- 4) Volume of water standing in well multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells. (4) \_\_\_\_\_ (gal)
- 5) Number of purge volumes required (5) \_\_\_\_\_
- 6) Maximum volume to be purged: #4 x #5 = (6) \_\_\_\_\_ (gal)

Bladder Pump Controller Settings (if used):

Recharge time: 10 (sec)  
 Discharge time: 5 (sec)

Pressure: 10 (psi)  
 Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (mL)	Pumping Rate (mL/min)	pH	Conductance (µS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1241	13.45	800	200	6.59	0.745	14.4	17.33	2.70	202
1245	13.45	1600	↓	6.86	0.747	13.7	16.52	2.56	187
1249	13.45	2400	↓	7.00	0.756	15.8	16.24	2.57	176
1253	13.45	3200	↓	7.08	0.758	15.2	16.09	2.57	168
1257	13.45	4000	↓	7.14	0.765	17.7	15.87	2.61	161
1301	13.45	4800	↓	7.18	0.769	14.1	15.71	2.58	155
1305	13.45	5600	↓	7.21	0.773	12.6	15.70	2.56	150
1309	13.45	6400	↓	7.23	0.776	9.2	15.66	2.51	146
1313	13.45	7200	↓	7.25	0.777	11.7	15.55	2.53	143
1317	13.45	8000	↓	7.27	0.779	5.5	15.48	2.53	140
1321	13.45	8800	↓	7.28	0.781	3.1	15.46	2.51	138

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40mL	VOA	3	HCl

Comments/Observations/Weather Conditions: Partly sunny, 75° Equipment blank taken after decontaminating

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

**Appendix C**  
**Laboratory Analytical Reports**

April 24, 2013

Frank West  
Environ  
One Indiana Square  
Suite 2335  
Indianapolis, IN 46204

RE: Project: Genuine Parts/2125641E  
Pace Project No.: 5078784

Dear Frank West:

Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mick Mayse

mick.mayse@pacelabs.com  
Project Manager

Enclosures



#### REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Genuine Parts/2125641E  
Pace Project No.: 5078784

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### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268  
Illinois Certification #: 200074  
Indiana Certification #: C-49-06  
Kansas Certification #: E-10247  
Kentucky Certification #: 0042

Louisiana/NELAC Certification #: 04076  
Ohio VAP Certification #: 101170-0  
Pennsylvania Certification #: 68-04991  
West Virginia Certification #: 330

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5078784001	<b>MW-154</b>	Water	04/09/13 08:43	04/11/13 13:48
5078784002	<b>MW-165S</b>	Water	04/09/13 09:43	04/11/13 13:48
5078784003	<b>MW-165D</b>	Water	04/09/13 10:39	04/11/13 13:48
5078784004	<b>MW-166S</b>	Water	04/09/13 11:31	04/11/13 13:48
5078784005	<b>MW-166D</b>	Water	04/09/13 12:43	04/11/13 13:48
5078784006	<b>MW-151</b>	Water	04/09/13 13:53	04/11/13 13:48
5078784007	<b>MW-164</b>	Water	04/09/13 14:55	04/11/13 13:48
5078784008	<b>MW-150</b>	Water	04/09/13 15:55	04/11/13 13:48
5078784009	<b>MW-146</b>	Water	04/09/13 16:42	04/11/13 13:48
5078784010	<b>Trip Blank</b>	Water	04/09/13 08:00	04/11/13 13:48
5078784011	<b>MW-152</b>	Water	04/10/13 09:09	04/11/13 13:48
5078784012	<b>MW-156</b>	Water	04/10/13 10:05	04/11/13 13:48
5078784013	<b>MW-148R</b>	Water	04/10/13 11:03	04/11/13 13:48
5078784014	<b>MW-167D</b>	Water	04/10/13 12:02	04/11/13 13:48
5078784015	<b>MW-173</b>	Water	04/10/13 13:21	04/11/13 13:48
5078784016	<b>Equipment Blank</b>	Water	04/10/13 13:35	04/11/13 13:48
5078784017	<b>MW-163</b>	Water	04/10/13 14:30	04/11/13 13:48
5078784018	<b>MW-153</b>	Water	04/10/13 15:38	04/11/13 13:48
5078784019	<b>MW-153 Dup.</b>	Water	04/10/13 15:38	04/11/13 13:48
5078784020	<b>MW-10-1R</b>	Water	04/10/13 16:40	04/11/13 13:48

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: Genuine Parts/2125641E  
Pace Project No.: 5078784

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5078784001	MW-154	EPA 8260	DAE	73
5078784002	MW-165S	EPA 8260	DAE	73
5078784003	MW-165D	EPA 8260	DAE	73
5078784004	MW-166S	EPA 8260	DAE	73
5078784005	MW-166D	EPA 8260	DAE	73
5078784006	MW-151	EPA 8260	DAE	73
5078784007	MW-164	EPA 8260	DAE	73
5078784008	MW-150	EPA 8260	DAE	73
5078784009	MW-146	EPA 8260	DAE	73
5078784010	Trip Blank	EPA 8260	DAE	73
5078784011	MW-152	EPA 8260	DAE	73
5078784012	MW-156	EPA 8260	DAE	73
5078784013	MW-148R	EPA 8260	DAE	73
5078784014	MW-167D	EPA 8260	DAE	73
5078784015	MW-173	EPA 8260	DAE	73
5078784016	Equipment Blank	EPA 8260	DAE	73
5078784017	MW-163	EPA 8260	DAE	73
5078784018	MW-153	EPA 8260	DAE	73
5078784019	MW-153 Dup.	EPA 8260	DAE	73
5078784020	MW-10-1R	EPA 8260	DAE	73

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-154	Lab ID: 5078784001	Collected: 04/09/13 08:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 00:16	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 00:16	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 00:16	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 00:16	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 00:16	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 00:16	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 00:16	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 00:16	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 00:16	75-25-2	
Bromomethane	ND ug/L		5.0	1		04/19/13 00:16	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 00:16	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:16	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:16	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:16	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 00:16	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 00:16	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 00:16	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 00:16	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 00:16	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 00:16	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 00:16	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 00:16	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 00:16	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 00:16	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 00:16	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:16	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:16	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 00:16	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 00:16	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 00:16	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 00:16	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:16	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:16	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:16	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:16	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:16	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:16	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:16	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:16	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:16	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 00:16	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 00:16	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 00:16	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 00:16	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 00:16	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 00:16	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 00:16	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-154	Lab ID: 5078784001	Collected: 04/09/13 08:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 00:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 00:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 00:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 00:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 00:16	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 00:16	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 00:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 00:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 00:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 00:16	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 00:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 00:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 00:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 00:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 00:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 00:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 00:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 00:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 00:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 00:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 00:16	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 00:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 00:16	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105 %.		79-116	1		04/19/13 00:16	1868-53-7	
4-Bromofluorobenzene (S)	104 %.		80-114	1		04/19/13 00:16	460-00-4	
Toluene-d8 (S)	89 %.		81-110	1		04/19/13 00:16	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-165S	Lab ID: 5078784002	Collected: 04/09/13 09:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 00:49	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 00:49	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 00:49	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 00:49	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 00:49	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 00:49	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 00:49	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 00:49	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 00:49	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 00:49	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 00:49	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:49	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:49	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 00:49	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 00:49	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 00:49	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 00:49	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 00:49	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 00:49	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 00:49	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 00:49	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 00:49	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 00:49	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 00:49	124-48-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 00:49	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:49	74-95-3	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:49	95-50-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 00:49	541-73-1	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 00:49	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 00:49	156-59-2	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 00:49	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 00:49	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:49	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:49	594-20-7	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 00:49	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:49	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:49	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 00:49	563-58-6	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:49	10061-01-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:49	10061-02-6	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 00:49	100-41-4	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 00:49	97-63-2	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 00:49	87-68-3	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 00:49	591-78-6	
n-Hexane	ND ug/L		5.0	1		04/19/13 00:49	74-88-4	
2-Hexanone	ND ug/L		25.0	1		04/19/13 00:49	98-82-8	
Iodomethane	ND ug/L		10.0	1		04/19/13 00:49	N2	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 00:49	110-54-3	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-165S	Lab ID: 5078784002	Collected: 04/09/13 09:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 00:49	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 00:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 00:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 00:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 00:49	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 00:49	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 00:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 00:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 00:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 00:49	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 00:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 00:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 00:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 00:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 00:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 00:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 00:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 00:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 00:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 00:49	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 00:49	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 00:49	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 00:49	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 00:49	1868-53-7	
4-Bromofluorobenzene (S)	108 %.		80-114	1		04/19/13 00:49	460-00-4	
Toluene-d8 (S)	90 %.		81-110	1		04/19/13 00:49	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-165D	Lab ID: 5078784003	Collected: 04/09/13 10:39	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 01:22	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 01:22	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 01:22	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 01:22	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 01:22	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 01:22	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 01:22	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 01:22	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 01:22	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 01:22	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 01:22	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:22	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:22	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:22	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 01:22	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 01:22	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 01:22	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 01:22	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 01:22	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 01:22	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 01:22	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 01:22	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 01:22	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 01:22	541-73-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 01:22	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:22	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:22	142-28-9	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:22	594-20-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 01:22	100-41-4	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 01:22	106-93-4	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 01:22	110-54-3	N2
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 01:22	124-48-1	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 01:22	75-34-3	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 01:22	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 01:22	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:22	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:22	107-06-2	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:22	142-29-0	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:22	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:22	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:22	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 01:22	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 01:22	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 01:22	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 01:22	110-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 01:22	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 01:22	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 01:22	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-165D	Lab ID: 5078784003	Collected: 04/09/13 10:39	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 01:22	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 01:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 01:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 01:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 01:22	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 01:22	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 01:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 01:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 01:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 01:22	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 01:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 01:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 01:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 01:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 01:22	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 01:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 01:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 01:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 01:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 01:22	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 01:22	108-05-4	
Vinyl chloride	166	ug/L	2.0	1		04/19/13 01:22	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 01:22	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 01:22	1868-53-7	
4-Bromofluorobenzene (S)	105 %.		80-114	1		04/19/13 01:22	460-00-4	
Toluene-d8 (S)	89 %.		81-110	1		04/19/13 01:22	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-166S	Lab ID: 5078784004	Collected: 04/09/13 11:31	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 01:54	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 01:54	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 01:54	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 01:54	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 01:54	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 01:54	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 01:54	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 01:54	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 01:54	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 01:54	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 01:54	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:54	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:54	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 01:54	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 01:54	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 01:54	142-28-9	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 01:54	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 01:54	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 01:54	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 01:54	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 01:54	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 01:54	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 01:54	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 01:54	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:54	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:54	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 01:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 01:54	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 01:54	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 01:54	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 01:54	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 01:54	75-35-4	
cis-1,2-Dichloroethene	85.4 ug/L		5.0	1		04/19/13 01:54	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 01:54	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:54	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:54	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 01:54	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:54	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 01:54	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 01:54	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 01:54	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 01:54	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 01:54	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 01:54	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 01:54	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 01:54	98-82-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-166S	Lab ID: 5078784004	Collected: 04/09/13 11:31	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 01:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 01:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 01:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 01:54	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 01:54	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 01:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 01:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 01:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 01:54	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 01:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 01:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 01:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 01:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 01:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 01:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 01:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 01:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 01:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 01:54	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 01:54	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103 %.		79-116	1		04/19/13 01:54	1868-53-7	
4-Bromofluorobenzene (S)	108 %.		80-114	1		04/19/13 01:54	460-00-4	
Toluene-d8 (S)	90 %.		81-110	1		04/19/13 01:54	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-166D	Lab ID: 5078784005	Collected: 04/09/13 12:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 02:27	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 02:27	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 02:27	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 02:27	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 02:27	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 02:27	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 02:27	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 02:27	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 02:27	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 02:27	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 02:27	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 02:27	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 02:27	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 02:27	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 02:27	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 02:27	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 02:27	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 02:27	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 02:27	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 02:27	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 02:27	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 02:27	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 02:27	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 02:27	591-73-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 02:27	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 02:27	74-95-3	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 02:27	95-50-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 02:27	563-58-6	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 02:27	100-41-4	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 02:27	100-61-01-5	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 02:27	100-61-02-6	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 02:27	100-78-5	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 02:27	110-54-3	N2
cis-1,2-Dichloroethene	465 ug/L		50.0	10		04/19/13 02:27	591-78-6	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 02:27	594-20-7	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 02:27	563-58-6	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 02:27	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 02:27	100-41-4	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 02:27	100-61-01-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 02:27	100-61-02-6	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 02:27	100-78-5	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 02:27	100-78-6	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 02:27	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 02:27	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 02:27	110-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 02:27	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 02:27	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 02:27	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-166D	Lab ID: 5078784005	Collected: 04/09/13 12:43	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 02:27	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 02:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 02:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 02:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 02:27	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 02:27	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 02:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 02:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 02:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 02:27	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 02:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 02:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 02:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 02:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 02:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 02:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 02:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 02:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 02:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 02:27	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 02:27	108-05-4	
Vinyl chloride	250	ug/L	20.0	10		04/19/13 03:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 02:27	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 02:27	1868-53-7	
4-Bromofluorobenzene (S)	105 %.		80-114	1		04/19/13 02:27	460-00-4	
Toluene-d8 (S)	95 %.		81-110	1		04/19/13 02:27	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-151	Lab ID: 5078784006	Collected: 04/09/13 13:53	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 03:34	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 03:34	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 03:34	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 03:34	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 03:34	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 03:34	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 03:34	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 03:34	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 03:34	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 03:34	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 03:34	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 03:34	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 03:34	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 03:34	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 03:34	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 03:34	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 03:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 03:34	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 03:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 03:34	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 03:34	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 03:34	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 03:34	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 03:34	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 03:34	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 03:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 03:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 03:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 03:34	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 03:34	110-41-4	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 03:34	156-59-2	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 03:34	156-60-5	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 03:34	78-87-5	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 03:34	142-28-9	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 03:34	594-20-7	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 03:34	563-58-6	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 03:34	10061-01-5	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 03:34	10061-02-6	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 03:34	100-41-4	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 03:34	97-63-2	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 03:34	87-68-3	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 03:34	110-54-3	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 03:34	591-78-6	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 03:34	100-48-4	
n-Hexane	ND ug/L		5.0	1		04/19/13 03:34	98-82-8	
2-Hexanone	ND ug/L		25.0	1		04/19/13 03:34	100-41-4	
Iodomethane	ND ug/L		10.0	1		04/19/13 03:34	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 03:34	100-41-4	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-151	Lab ID: 5078784006	Collected: 04/09/13 13:53	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 03:34	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 03:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 03:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 03:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 03:34	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 03:34	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 03:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 03:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 03:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 03:34	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 03:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 03:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 03:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 03:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 03:34	79-00-5	
Trichloroethene	<b>6.0</b>	ug/L	5.0	1		04/19/13 03:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 03:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 03:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 03:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 03:34	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 03:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 03:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 03:34	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 03:34	1868-53-7	
4-Bromofluorobenzene (S)	106 %.		80-114	1		04/19/13 03:34	460-00-4	
Toluene-d8 (S)	93 %.		81-110	1		04/19/13 03:34	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-164	Lab ID: 5078784007	Collected: 04/09/13 14:55	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 04:07	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 04:07	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 04:07	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 04:07	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 04:07	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 04:07	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 04:07	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 04:07	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 04:07	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 04:07	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 04:07	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:07	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:07	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:07	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 04:07	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 04:07	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 04:07	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 04:07	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 04:07	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 04:07	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 04:07	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 04:07	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 04:07	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 04:07	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 04:07	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 04:07	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 04:07	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 04:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 04:07	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 04:07	156-59-2	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 04:07	97-63-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:07	142-28-9	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:07	594-20-7	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:07	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:07	156-34-3	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:07	100-54-3	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:07	97-68-3	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:07	100-54-3	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 04:07	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
n-Hexane	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	
2-Hexanone	ND ug/L		25.0	1		04/19/13 04:07	100-41-4	
Iodomethane	ND ug/L		10.0	1		04/19/13 04:07	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 04:07	100-41-4	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-164	Lab ID: 5078784007	Collected: 04/09/13 14:55	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 04:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 04:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 04:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 04:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 04:07	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 04:07	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 04:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 04:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 04:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 04:07	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 04:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 04:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 04:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 04:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 04:07	79-00-5	
Trichloroethene	<b>18.2</b>	ug/L	5.0	1		04/19/13 04:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 04:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 04:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 04:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 04:07	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 04:07	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 04:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 04:07	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103 %.		79-116	1		04/19/13 04:07	1868-53-7	
4-Bromofluorobenzene (S)	103 %.		80-114	1		04/19/13 04:07	460-00-4	
Toluene-d8 (S)	90 %.		81-110	1		04/19/13 04:07	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-150	Lab ID: 5078784008	Collected: 04/09/13 15:55	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 04:40	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 04:40	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 04:40	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 04:40	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 04:40	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 04:40	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 04:40	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 04:40	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 04:40	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 04:40	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 04:40	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:40	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:40	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 04:40	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 04:40	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 04:40	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 04:40	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 04:40	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 04:40	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 04:40	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 04:40	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 04:40	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 04:40	106-93-4	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 04:40	74-95-3	
Dibromomethane	ND ug/L		5.0	1		04/19/13 04:40	95-50-1	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 04:40	541-73-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 04:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 04:40	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 04:40	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 04:40	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 04:40	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:40	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:40	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 04:40	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:40	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:40	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 04:40	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:40	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:40	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 04:40	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 04:40	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 04:40	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 04:40	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 04:40	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 04:40	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 04:40	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 04:40	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-150	Lab ID: 5078784008	Collected: 04/09/13 15:55	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 04:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 04:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 04:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 04:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 04:40	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 04:40	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 04:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 04:40	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 04:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 04:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 04:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 04:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 04:40	79-00-5	
Trichloroethene	<b>10.9</b>	ug/L	5.0	1		04/19/13 04:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 04:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 04:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 04:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 04:40	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 04:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 04:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 04:40	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 04:40	1868-53-7	
4-Bromofluorobenzene (S)	104 %.		80-114	1		04/19/13 04:40	460-00-4	
Toluene-d8 (S)	91 %.		81-110	1		04/19/13 04:40	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-146	Lab ID: 5078784009	Collected: 04/09/13 16:42	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 05:13	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 05:13	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 05:13	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 05:13	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 05:13	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 05:13	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 05:13	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 05:13	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 05:13	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 05:13	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 05:13	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:13	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:13	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:13	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 05:13	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 05:13	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 05:13	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 05:13	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 05:13	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 05:13	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:13	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:13	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 05:13	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 05:13	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 05:13	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:13	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:13	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 05:13	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 05:13	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:13	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:13	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:13	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:13	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:13	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:13	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:13	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:13	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:13	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:13	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 05:13	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 05:13	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 05:13	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 05:13	110-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 05:13	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 05:13	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 05:13	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-146	Lab ID: 5078784009	Collected: 04/09/13 16:42	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 05:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 05:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 05:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 05:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 05:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 05:13	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 05:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 05:13	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 05:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:13	79-00-5	
Trichloroethene	<b>34.0</b>	ug/L	5.0	1		04/19/13 05:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 05:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 05:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 05:13	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 05:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 05:13	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 05:13	1868-53-7	
4-Bromofluorobenzene (S)	106 %.		80-114	1		04/19/13 05:13	460-00-4	
Toluene-d8 (S)	95 %.		81-110	1		04/19/13 05:13	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: Trip Blank	Lab ID: 5078784010	Collected: 04/09/13 08:00	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 05:46	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 05:46	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 05:46	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 05:46	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 05:46	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 05:46	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 05:46	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 05:46	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 05:46	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 05:46	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 05:46	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:46	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:46	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:46	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 05:46	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 05:46	75-15-0	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 05:46	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 05:46	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 05:46	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 05:46	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:46	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:46	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 05:46	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 05:46	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 05:46	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:46	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:46	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 05:46	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 05:46	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:46	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:46	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:46	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:46	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:46	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:46	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:46	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:46	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:46	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:46	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:46	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 05:46	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 05:46	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 05:46	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 05:46	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 05:46	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 05:46	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 05:46	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: Trip Blank	Lab ID: 5078784010	Collected: 04/09/13 08:00	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 05:46	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 05:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 05:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 05:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 05:46	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 05:46	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 05:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 05:46	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 05:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 05:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 05:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 05:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 05:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 05:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 05:46	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105 %.		79-116	1		04/19/13 05:46	1868-53-7	
4-Bromofluorobenzene (S)	104 %.		80-114	1		04/19/13 05:46	460-00-4	
Toluene-d8 (S)	95 %.		81-110	1		04/19/13 05:46	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-152	Lab ID: 5078784011	Collected: 04/10/13 09:09	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 06:20	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 06:20	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 06:20	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 06:20	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 06:20	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 06:20	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 06:20	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 06:20	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 06:20	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 06:20	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:20	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:20	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:20	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 06:20	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 06:20	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 06:20	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 06:20	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 06:20	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 06:20	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:20	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:20	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 06:20	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 06:20	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 06:20	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:20	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:20	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 06:20	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 06:20	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:20	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:20	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:20	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:20	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:20	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:20	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:20	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:20	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:20	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:20	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:20	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 06:20	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 06:20	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 06:20	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 06:20	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 06:20	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 06:20	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 06:20	98-82-8	

Date: 04/24/2013 12:25 PM

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-152	Lab ID: 5078784011	Collected: 04/10/13 09:09	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 06:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 06:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 06:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 06:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 06:20	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 06:20	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 06:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 06:20	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 06:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:20	79-00-5	
Trichloroethene	59.9	ug/L	5.0	1		04/19/13 06:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 06:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 06:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:20	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 06:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 06:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 06:20	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104 %.		79-116	1		04/19/13 06:20	1868-53-7	
4-Bromofluorobenzene (S)	106 %.		80-114	1		04/19/13 06:20	460-00-4	
Toluene-d8 (S)	97 %.		81-110	1		04/19/13 06:20	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-156	Lab ID: 5078784012	Collected: 04/10/13 10:05	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 07:59	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 07:59	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 07:59	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 07:59	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 07:59	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 07:59	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 07:59	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 07:59	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 07:59	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 07:59	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 07:59	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:59	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:59	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:59	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 07:59	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 07:59	59-17-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 07:59	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 07:59	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 07:59	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 07:59	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 07:59	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 07:59	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 07:59	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 07:59	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 07:59	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:59	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:59	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 07:59	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 07:59	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 07:59	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 07:59	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 07:59	75-35-4	
cis-1,2-Dichloroethene	15.1 ug/L		5.0	1		04/19/13 07:59	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 07:59	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:59	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:59	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:59	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:59	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:59	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:59	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 07:59	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 07:59	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 07:59	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 07:59	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 07:59	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 07:59	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 07:59	98-82-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-156	Lab ID: 5078784012	Collected: 04/10/13 10:05	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 07:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 07:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 07:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 07:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 07:59	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 07:59	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 07:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 07:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 07:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 07:59	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 07:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 07:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 07:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 07:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 07:59	79-00-5	
Trichloroethene	187	ug/L	5.0	1		04/19/13 07:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 07:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 07:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 07:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 07:59	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 07:59	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 07:59	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 07:59	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	106 %.		79-116	1		04/19/13 07:59	1868-53-7	
4-Bromofluorobenzene (S)	103 %.		80-114	1		04/19/13 07:59	460-00-4	
Toluene-d8 (S)	90 %.		81-110	1		04/19/13 07:59	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-148R	Lab ID: 5078784013	Collected: 04/10/13 11:03	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 08:32	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 08:32	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 08:32	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 08:32	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 08:32	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 08:32	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 08:32	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 08:32	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 08:32	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 08:32	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 08:32	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:32	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:32	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:32	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 08:32	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 08:32	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 08:32	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 08:32	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 08:32	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 08:32	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:32	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:32	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 08:32	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 08:32	124-48-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 08:32	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:32	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:32	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 08:32	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 08:32	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:32	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:32	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 08:32	75-35-4	
cis-1,2-Dichloroethene	218 ug/L		5.0	1		04/19/13 08:32	156-59-2	
trans-1,2-Dichloroethene	17.0 ug/L		5.0	1		04/19/13 08:32	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:32	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:32	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:32	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:32	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:32	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:32	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 08:32	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 08:32	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 08:32	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 08:32	110-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 08:32	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 08:32	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 08:32	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-148R	Lab ID: 5078784013	Collected: 04/10/13 11:03	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 08:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 08:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 08:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 08:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 08:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 08:32	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 08:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 08:32	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 08:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:32	79-00-5	
Trichloroethene	137	ug/L	5.0	1		04/19/13 08:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 08:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 08:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 08:32	108-05-4	
Vinyl chloride	35.0	ug/L	2.0	1		04/19/13 08:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 08:32	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107 %.		79-116	1		04/19/13 08:32	1868-53-7	
4-Bromofluorobenzene (S)	106 %.		80-114	1		04/19/13 08:32	460-00-4	
Toluene-d8 (S)	94 %.		81-110	1		04/19/13 08:32	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-167D	Lab ID: 5078784014	Collected: 04/10/13 12:02	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 09:06	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 09:06	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 09:06	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 09:06	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 09:06	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 09:06	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 09:06	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 09:06	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 09:06	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 09:06	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 09:06	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 09:06	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 09:06	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 09:06	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 09:06	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 09:06	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 09:06	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 09:06	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 09:06	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 09:06	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 09:06	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 09:06	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 09:06	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 09:06	124-48-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 09:06	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 09:06	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 09:06	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 09:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 09:06	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 09:06	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 09:06	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 09:06	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 09:06	75-35-4	
cis-1,2-Dichloroethene	408 ug/L		50.0	10		04/19/13 09:06	156-59-2	
trans-1,2-Dichloroethene	23.5 ug/L		5.0	1		04/19/13 09:06	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 09:06	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 09:06	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 09:06	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 09:06	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 09:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 09:06	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 09:06	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 09:06	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 09:06	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 09:06	110-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 09:06	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 09:06	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 09:06	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-167D	Lab ID: 5078784014	Collected: 04/10/13 12:02	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 09:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 09:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 09:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 09:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 09:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 09:06	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 09:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 09:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 09:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 09:06	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 09:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 09:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 09:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 09:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 09:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 09:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 09:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 09:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 09:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 09:06	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 09:06	108-05-4	
Vinyl chloride	10.9	ug/L	2.0	1		04/19/13 09:06	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 09:06	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107 %.		79-116	1		04/19/13 09:06	1868-53-7	
4-Bromofluorobenzene (S)	102 %.		80-114	1		04/19/13 09:06	460-00-4	
Toluene-d8 (S)	92 %.		81-110	1		04/19/13 09:06	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-173	Lab ID: 5078784015	Collected: 04/10/13 13:21	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 05:30	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 05:30	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 05:30	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 05:30	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 05:30	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 05:30	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 05:30	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 05:30	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 05:30	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 05:30	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:30	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:30	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 05:30	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 05:30	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 05:30	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 05:30	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 05:30	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 05:30	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 05:30	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:30	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 05:30	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 05:30	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 05:30	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 05:30	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:30	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:30	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 05:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 05:30	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 05:30	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:30	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 05:30	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 05:30	75-35-4	
cis-1,2-Dichloroethene	6.3 ug/L		5.0	1		04/19/13 05:30	156-59-2	
trans-1,2-Dichloroethene	6.0 ug/L		5.0	1		04/19/13 05:30	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:30	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:30	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 05:30	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:30	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:30	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 05:30	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 05:30	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 05:30	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 05:30	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 05:30	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 05:30	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 05:30	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 05:30	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-173	Lab ID: 5078784015	Collected: 04/10/13 13:21	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 05:30	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 05:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 05:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 05:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 05:30	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 05:30	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 05:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 05:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 05:30	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 05:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 05:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 05:30	79-00-5	
Trichloroethene	136	ug/L	5.0	1		04/19/13 05:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 05:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 05:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 05:30	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 05:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 05:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 05:30	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107 %.		79-116	1		04/19/13 05:30	1868-53-7	
4-Bromofluorobenzene (S)	105 %.		80-114	1		04/19/13 05:30	460-00-4	
Toluene-d8 (S)	94 %.		81-110	1		04/19/13 05:30	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: Equipment Blank	Lab ID: 5078784016	Collected: 04/10/13 13:35	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 06:03	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 06:03	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 06:03	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 06:03	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 06:03	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 06:03	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 06:03	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 06:03	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 06:03	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 06:03	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 06:03	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:03	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:03	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:03	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 06:03	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 06:03	124-48-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 06:03	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 06:03	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 06:03	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 06:03	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:03	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:03	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 06:03	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 06:03	124-48-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 06:03	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:03	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 06:03	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 06:03	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:03	563-58-6	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:03	100-41-4	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:03	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:03	142-28-9	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:03	594-20-7	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:03	10061-01-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:03	10061-02-6	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:03	100-54-3	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:03	97-63-2	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:03	100-48-4	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:03	100-78-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 06:03	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 06:03	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 06:03	100-48-4	
n-Hexane	ND ug/L		5.0	1		04/19/13 06:03	100-54-3	
2-Hexanone	ND ug/L		25.0	1		04/19/13 06:03	100-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 06:03	100-48-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 06:03	98-82-8	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: Equipment Blank	Lab ID: 5078784016	Collected: 04/10/13 13:35	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 06:03	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 06:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 06:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 06:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 06:03	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 06:03	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 06:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 06:03	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 06:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/19/13 06:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 06:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 06:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:03	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 06:03	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 06:03	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 06:03	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105 %.		79-116	1		04/19/13 06:03	1868-53-7	
4-Bromofluorobenzene (S)	102 %.		80-114	1		04/19/13 06:03	460-00-4	
Toluene-d8 (S)	94 %.		81-110	1		04/19/13 06:03	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-163	Lab ID: 5078784017	Collected: 04/10/13 14:30	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 06:36	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 06:36	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 06:36	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 06:36	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 06:36	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 06:36	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 06:36	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 06:36	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 06:36	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 06:36	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 06:36	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:36	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:36	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 06:36	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 06:36	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 06:36	59-17-1	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 06:36	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 06:36	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 06:36	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 06:36	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:36	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 06:36	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 06:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 06:36	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 06:36	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:36	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:36	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 06:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 06:36	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 06:36	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:36	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 06:36	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:36	75-35-4	
cis-1,2-Dichloroethene	30.7 ug/L		5.0	1		04/19/13 06:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 06:36	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:36	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:36	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 06:36	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:36	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 06:36	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 06:36	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 06:36	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 06:36	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 06:36	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 06:36	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 06:36	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 06:36	98-82-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-163	Lab ID: 5078784017	Collected: 04/10/13 14:30	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 06:36	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 06:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 06:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 06:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 06:36	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 06:36	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 06:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 06:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 06:36	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 06:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 06:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 06:36	79-00-5	
Trichloroethene	277	ug/L	50.0	10		04/20/13 03:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 06:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 06:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 06:36	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 06:36	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 06:36	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 06:36	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107 %.		79-116	1		04/19/13 06:36	1868-53-7	
4-Bromofluorobenzene (S)	104 %.		80-114	1		04/19/13 06:36	460-00-4	
Toluene-d8 (S)	94 %.		81-110	1		04/19/13 06:36	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-153	Lab ID: 5078784018	Collected: 04/10/13 15:38	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 07:43	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 07:43	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 07:43	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 07:43	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 07:43	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 07:43	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 07:43	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 07:43	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 07:43	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 07:43	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 07:43	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:43	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:43	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 07:43	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 07:43	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 07:43	108-90-7	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 07:43	75-00-3	
Chloroethane	ND ug/L		5.0	1		04/19/13 07:43	67-66-3	
Chloroform	ND ug/L		5.0	1		04/19/13 07:43	74-87-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 07:43	95-49-8	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 07:43	106-43-4	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 07:43	110-57-6	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 07:43	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 07:43	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 07:43	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:43	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:43	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 07:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 07:43	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 07:43	156-59-2	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 07:43	100-41-4	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 07:43	97-63-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 07:43	142-28-9	
cis-1,2-Dichloroethene	139 ug/L		5.0	1		04/19/13 07:43	594-20-7	
trans-1,2-Dichloroethene	8.8 ug/L		5.0	1		04/19/13 07:43	563-58-6	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:43	10061-01-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:43	10061-02-6	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 07:43	100-54-3	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:43	100-41-4	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:43	97-68-3	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 07:43	87-68-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 07:43	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 07:43	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 07:43	100-41-4	
n-Hexane	ND ug/L		5.0	1		04/19/13 07:43	100-41-4	
2-Hexanone	ND ug/L		25.0	1		04/19/13 07:43	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 07:43	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 07:43	98-82-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-153	Lab ID: 5078784018	Collected: 04/10/13 15:38	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 07:43	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 07:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 07:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 07:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 07:43	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 07:43	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 07:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 07:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 07:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 07:43	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 07:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 07:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 07:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 07:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 07:43	79-00-5	
Trichloroethene	299	ug/L	5.0	1		04/19/13 07:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 07:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 07:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 07:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 07:43	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 07:43	108-05-4	
Vinyl chloride	2.7	ug/L	2.0	1		04/19/13 07:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 07:43	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	112 %.		79-116	1		04/19/13 07:43	1868-53-7	
4-Bromofluorobenzene (S)	103 %.		80-114	1		04/19/13 07:43	460-00-4	
Toluene-d8 (S)	91 %.		81-110	1		04/19/13 07:43	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-153 Dup.	Lab ID: 5078784019	Collected: 04/10/13 15:38	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 08:16	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 08:16	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 08:16	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 08:16	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 08:16	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 08:16	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 08:16	75-27-4	
Bromoform	ND ug/L		5.0	1		04/19/13 08:16	75-25-2	
Bromomethane	ND ug/L		5.0	1		04/19/13 08:16	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 08:16	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:16	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:16	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:16	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 08:16	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 08:16	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 08:16	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 08:16	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 08:16	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 08:16	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:16	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:16	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 08:16	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 08:16	106-93-4	
Dibromomethane	ND ug/L		5.0	1		04/19/13 08:16	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:16	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:16	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 08:16	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 08:16	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:16	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:16	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 08:16	75-35-4	
cis-1,2-Dichloroethene	137 ug/L		5.0	1		04/19/13 08:16	156-59-2	
trans-1,2-Dichloroethene	8.4 ug/L		5.0	1		04/19/13 08:16	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:16	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:16	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:16	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:16	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:16	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:16	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 08:16	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 08:16	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 08:16	87-68-3	
n-Hexane	ND ug/L		5.0	1		04/19/13 08:16	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		04/19/13 08:16	591-78-6	
Iodomethane	ND ug/L		10.0	1		04/19/13 08:16	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 08:16	98-82-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-153 Dup.	Lab ID: 5078784019	Collected: 04/10/13 15:38	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 08:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 08:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 08:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 08:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 08:16	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 08:16	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 08:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 08:16	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 08:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:16	79-00-5	
Trichloroethene	245	ug/L	25.0	5		04/20/13 04:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 08:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 08:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 08:16	108-05-4	
Vinyl chloride	2.4	ug/L	2.0	1		04/19/13 08:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 08:16	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	108 %.		79-116	1		04/19/13 08:16	1868-53-7	
4-Bromofluorobenzene (S)	104 %.		80-114	1		04/19/13 08:16	460-00-4	
Toluene-d8 (S)	92 %.		81-110	1		04/19/13 08:16	2037-26-5	

## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-10-1R	Lab ID: 5078784020	Collected: 04/10/13 16:40	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		04/19/13 08:49	67-64-1	
Acrolein	ND ug/L		50.0	1		04/19/13 08:49	107-02-8	
Acrylonitrile	ND ug/L		100	1		04/19/13 08:49	107-13-1	
Benzene	ND ug/L		5.0	1		04/19/13 08:49	71-43-2	
Bromobenzene	ND ug/L		5.0	1		04/19/13 08:49	108-86-1	
Bromoform	ND ug/L		5.0	1		04/19/13 08:49	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		04/19/13 08:49	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		04/19/13 08:49	75-25-2	
Bromoform	ND ug/L		5.0	1		04/19/13 08:49	74-83-9	
Bromomethane	ND ug/L		5.0	1		04/19/13 08:49	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		04/19/13 08:49	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:49	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:49	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		04/19/13 08:49	124-48-1	
Carbon disulfide	ND ug/L		10.0	1		04/19/13 08:49	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		04/19/13 08:49	142-28-9	
Chlorobenzene	ND ug/L		5.0	1		04/19/13 08:49	108-90-7	
Chloroethane	ND ug/L		5.0	1		04/19/13 08:49	75-00-3	
Chloroform	ND ug/L		5.0	1		04/19/13 08:49	67-66-3	
Chloromethane	ND ug/L		5.0	1		04/19/13 08:49	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:49	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		04/19/13 08:49	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		04/19/13 08:49	110-57-6	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		04/19/13 08:49	124-48-1	
Dibromomethane	ND ug/L		5.0	1		04/19/13 08:49	142-28-9	
1,2-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:49	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:49	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		04/19/13 08:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		04/19/13 08:49	N2	
Dichlorodifluoromethane	ND ug/L		5.0	1		04/19/13 08:49	594-20-7	
1,1-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:49	563-58-6	
1,2-Dichloroethane	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
1,1-Dichloroethene	ND ug/L		5.0	1		04/19/13 08:49	100-54-3	
cis-1,2-Dichloroethene	17.4 ug/L		5.0	1		04/19/13 08:49	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		04/19/13 08:49	10061-02-6	
1,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
1,3-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:49	97-63-2	
2,2-Dichloropropane	ND ug/L		5.0	1		04/19/13 08:49	110-54-3	
1,1-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:49	591-78-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
Ethylbenzene	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		04/19/13 08:49	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
n-Hexane	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	
2-Hexanone	ND ug/L		25.0	1		04/19/13 08:49	100-41-4	
Iodomethane	ND ug/L		10.0	1		04/19/13 08:49	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		04/19/13 08:49	100-41-4	

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## ANALYTICAL RESULTS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Sample: MW-10-1R	Lab ID: 5078784020	Collected: 04/10/13 16:40	Received: 04/11/13 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/19/13 08:49	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/19/13 08:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/19/13 08:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/19/13 08:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		04/19/13 08:49	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/19/13 08:49	103-65-1	
Styrene	ND	ug/L	5.0	1		04/19/13 08:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/19/13 08:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/19/13 08:49	127-18-4	
Toluene	ND	ug/L	5.0	1		04/19/13 08:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/19/13 08:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/19/13 08:49	79-00-5	
Trichloroethene	532	ug/L	50.0	10		04/19/13 09:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/19/13 08:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/19/13 08:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/19/13 08:49	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/19/13 08:49	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/19/13 08:49	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/19/13 08:49	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	106 %.		79-116	1		04/19/13 08:49	1868-53-7	
4-Bromofluorobenzene (S)	102 %.		80-114	1		04/19/13 08:49	460-00-4	
Toluene-d8 (S)	95 %.		81-110	1		04/19/13 08:49	2037-26-5	

## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

QC Batch:	MSV/52281	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5078784001, 5078784002, 5078784003, 5078784004, 5078784005, 5078784006, 5078784007, 5078784008, 5078784009, 5078784010, 5078784011, 5078784012, 5078784013, 5078784014		

METHOD BLANK: 902190                          Matrix: Water

Associated Lab Samples: 5078784001, 5078784002, 5078784003, 5078784004, 5078784005, 5078784006, 5078784007, 5078784008,  
5078784009, 5078784010, 5078784011, 5078784012, 5078784013, 5078784014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,1,1-Trichloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,1-Dichloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,1-Dichloroethene	ug/L	ND	5.0	04/18/13 23:43	
1,1-Dichloropropene	ug/L	ND	5.0	04/18/13 23:43	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
1,2,3-Trichloropropane	ug/L	ND	5.0	04/18/13 23:43	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	04/18/13 23:43	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/18/13 23:43	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
1,2-Dichloroethane	ug/L	ND	5.0	04/18/13 23:43	
1,2-Dichloropropane	ug/L	ND	5.0	04/18/13 23:43	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	04/18/13 23:43	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
1,3-Dichloropropane	ug/L	ND	5.0	04/18/13 23:43	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
2,2-Dichloropropane	ug/L	ND	5.0	04/18/13 23:43	
2-Butanone (MEK)	ug/L	ND	25.0	04/18/13 23:43	
2-Chlorotoluene	ug/L	ND	5.0	04/18/13 23:43	
2-Hexanone	ug/L	ND	25.0	04/18/13 23:43	
4-Chlorotoluene	ug/L	ND	5.0	04/18/13 23:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/18/13 23:43	
Acetone	ug/L	ND	100	04/18/13 23:43	
Acrolein	ug/L	ND	50.0	04/18/13 23:43	
Acrylonitrile	ug/L	ND	100	04/18/13 23:43	
Benzene	ug/L	ND	5.0	04/18/13 23:43	
Bromobenzene	ug/L	ND	5.0	04/18/13 23:43	
Bromochloromethane	ug/L	ND	5.0	04/18/13 23:43	
Bromodichloromethane	ug/L	ND	5.0	04/18/13 23:43	
Bromoform	ug/L	ND	5.0	04/18/13 23:43	
Bromomethane	ug/L	ND	5.0	04/18/13 23:43	
Carbon disulfide	ug/L	ND	10.0	04/18/13 23:43	
Carbon tetrachloride	ug/L	ND	5.0	04/18/13 23:43	
Chlorobenzene	ug/L	ND	5.0	04/18/13 23:43	
Chloroethane	ug/L	ND	5.0	04/18/13 23:43	
Chloroform	ug/L	ND	5.0	04/18/13 23:43	
Chloromethane	ug/L	ND	5.0	04/18/13 23:43	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/18/13 23:43	

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

METHOD BLANK: 902190

Matrix: Water

Associated Lab Samples: 5078784001, 5078784002, 5078784003, 5078784004, 5078784005, 5078784006, 5078784007, 5078784008,  
5078784009, 5078784010, 5078784011, 5078784012, 5078784013, 5078784014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/18/13 23:43	
Dibromochloromethane	ug/L	ND	5.0	04/18/13 23:43	
Dibromomethane	ug/L	ND	5.0	04/18/13 23:43	
Dichlorodifluoromethane	ug/L	ND	5.0	04/18/13 23:43	
Ethyl methacrylate	ug/L	ND	100	04/18/13 23:43	
Ethylbenzene	ug/L	ND	5.0	04/18/13 23:43	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/18/13 23:43	
Iodomethane	ug/L	12.2	10.0	04/18/13 23:43	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/18/13 23:43	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/18/13 23:43	
Methylene Chloride	ug/L	ND	5.0	04/18/13 23:43	
n-Butylbenzene	ug/L	ND	5.0	04/18/13 23:43	
n-Hexane	ug/L	ND	5.0	04/18/13 23:43	N2
n-Propylbenzene	ug/L	ND	5.0	04/18/13 23:43	
Naphthalene	ug/L	ND	5.0	04/18/13 23:43	
p-Isopropyltoluene	ug/L	ND	5.0	04/18/13 23:43	
sec-Butylbenzene	ug/L	ND	5.0	04/18/13 23:43	
Styrene	ug/L	ND	5.0	04/18/13 23:43	
tert-Butylbenzene	ug/L	ND	5.0	04/18/13 23:43	
Tetrachloroethene	ug/L	ND	5.0	04/18/13 23:43	
Toluene	ug/L	ND	5.0	04/18/13 23:43	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/18/13 23:43	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/18/13 23:43	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	04/18/13 23:43	
Trichloroethene	ug/L	ND	5.0	04/18/13 23:43	
Trichlorofluoromethane	ug/L	ND	5.0	04/18/13 23:43	
Vinyl acetate	ug/L	ND	50.0	04/18/13 23:43	
Vinyl chloride	ug/L	ND	2.0	04/18/13 23:43	
Xylene (Total)	ug/L	ND	10.0	04/18/13 23:43	
4-Bromofluorobenzene (S)	%.	108	80-114	04/18/13 23:43	
Dibromofluoromethane (S)	%.	106	79-116	04/18/13 23:43	
Toluene-d8 (S)	%.	92	81-110	04/18/13 23:43	

LABORATORY CONTROL SAMPLE: 902191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.1	88	61-135	
1,1,1-Trichloroethane	ug/L	50	53.5	107	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	42.3	85	66-126	
1,1,2-Trichloroethane	ug/L	50	48.9	98	77-130	
1,1-Dichloroethane	ug/L	50	52.0	104	75-130	
1,1-Dichloroethene	ug/L	50	44.2	88	68-127	
1,1-Dichloropropene	ug/L	50	58.4	117	78-130	
1,2,3-Trichlorobenzene	ug/L	50	47.0	94	70-130	

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

LABORATORY CONTROL SAMPLE: 902191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	53.1	106	58-142	
1,2,4-Trichlorobenzene	ug/L	50	46.0	92	68-131	
1,2,4-Trimethylbenzene	ug/L	50	51.9	104	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	111	76-125	
1,2-Dichlorobenzene	ug/L	50	50.4	101	75-123	
1,2-Dichloroethane	ug/L	50	57.0	114	75-128	
1,2-Dichloropropane	ug/L	50	57.2	114	74-121	
1,3,5-Trimethylbenzene	ug/L	50	51.7	103	70-126	
1,3-Dichlorobenzene	ug/L	50	50.7	101	74-122	
1,3-Dichloropropane	ug/L	50	54.0	108	74-123	
1,4-Dichlorobenzene	ug/L	50	50.7	101	76-120	
2,2-Dichloropropane	ug/L	50	41.5	83	50-137	
2-Butanone (MEK)	ug/L	250	255	102	58-139	
2-Chlorotoluene	ug/L	50	52.9	106	74-122	
2-Hexanone	ug/L	250	264	105	54-140	
4-Chlorotoluene	ug/L	50	49.4	99	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	246	98	58-138	
Acetone	ug/L	250	273	109	49-150	
Acrolein	ug/L	1000	382	38	41-200 L0	
Acrylonitrile	ug/L	1000	994	99	63-137	
Benzene	ug/L	50	46.1	92	74-122	
Bromobenzene	ug/L	50	57.0	114	72-127	
Bromochloromethane	ug/L	50	47.8	96	63-132	
Bromodichloromethane	ug/L	50	52.0	104	62-136	
Bromoform	ug/L	50	38.0	76	44-134	
Bromomethane	ug/L	50	52.6	105	22-181	
Carbon disulfide	ug/L	100	89.0	89	59-132	
Carbon tetrachloride	ug/L	50	44.1	88	56-137	
Chlorobenzene	ug/L	50	51.5	103	78-123	
Chloroethane	ug/L	50	59.4	119	60-144	
Chloroform	ug/L	50	54.6	109	78-126	
Chloromethane	ug/L	50	45.7	91	42-134	
cis-1,2-Dichloroethene	ug/L	50	47.1	94	75-122	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	64-126	
Dibromochloromethane	ug/L	50	46.7	93	58-128	
Dibromomethane	ug/L	50	58.5	117	73-125	
Dichlorodifluoromethane	ug/L	50	62.3	125	35-181	
Ethyl methacrylate	ug/L	200	212	106	69-133	
Ethylbenzene	ug/L	50	51.5	103	66-133	
Hexachloro-1,3-butadiene	ug/L	50	48.2	96	59-145	
Iodomethane	ug/L	100	112	112	21-170	
Isopropylbenzene (Cumene)	ug/L	50	58.4	117	69-124	
Methyl-tert-butyl ether	ug/L	100	113	113	69-122	
Methylene Chloride	ug/L	50	45.3	91	68-132	
n-Butylbenzene	ug/L	50	49.7	99	70-126	
n-Hexane	ug/L	50	49.6	99	51-125 N2	
n-Propylbenzene	ug/L	50	49.7	99	71-122	
Naphthalene	ug/L	50	45.9	92	68-127	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

LABORATORY CONTROL SAMPLE: 902191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	53.6	107	72-132	
sec-Butylbenzene	ug/L	50	52.9	106	70-128	
Styrene	ug/L	50	55.1	110	74-126	
tert-Butylbenzene	ug/L	50	42.3	85	51-118	
Tetrachloroethene	ug/L	50	50.4	101	69-130	
Toluene	ug/L	50	46.7	93	72-122	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	72-124	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	200	100	56-133	
Trichloroethene	ug/L	50	62.5	125	76-126	
Trichlorofluoromethane	ug/L	50	50.6	101	76-149	
Vinyl acetate	ug/L	200	161	81	70-130	
Vinyl chloride	ug/L	50	45.9	92	59-126	
Xylene (Total)	ug/L	150	159	106	70-124	
4-Bromofluorobenzene (S)	%.			112	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			91	81-110	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 902192 902193

Parameter	Units	5078784011		MSD		MS Result	% Rec	MSD % Rec	% Rec Limits	Max	
		Result	Spike Conc.	Spike Conc.	MS Result					RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	40.9	42.3	82	85	50-132	3	20
1,1,1-Trichloroethane	ug/L	ND	50	50	54.1	57.0	108	114	60-138	5	20
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	42.8	42.1	86	84	55-128	1	20
1,1,2-Trichloroethane	ug/L	ND	50	50	47.5	46.1	95	92	61-139	3	20
1,1-Dichloroethane	ug/L	ND	50	50	51.8	51.6	104	103	57-147	0	20
1,1-Dichloroethene	ug/L	ND	50	50	47.0	49.4	94	99	55-145	5	20
1,1-Dichloropropene	ug/L	ND	50	50	62.7	61.4	125	123	55-147	2	20
1,2,3-Trichlorobenzene	ug/L	ND	50	50	45.9	45.4	92	91	31-141	1	20
1,2,3-Trichloropropane	ug/L	ND	50	50	50.9	51.2	102	102	58-133	1	20
1,2,4-Trichlorobenzene	ug/L	ND	50	50	44.5	43.8	89	88	25-143	1	20
1,2,4-Trimethylbenzene	ug/L	ND	50	50	49.4	48.9	99	98	18-149	1	20
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.8	51.7	104	103	63-129	0	20
1,2-Dichlorobenzene	ug/L	ND	50	50	50.0	49.2	100	98	38-136	2	20
1,2-Dichloroethane	ug/L	ND	50	50	58.9	58.2	118	116	62-138	1	20
1,2-Dichloropropane	ug/L	ND	50	50	57.7	55.9	115	112	59-130	3	20
1,3,5-Trimethylbenzene	ug/L	ND	50	50	49.7	49.6	99	99	20-147	0	20
1,3-Dichlorobenzene	ug/L	ND	50	50	48.6	47.8	97	96	28-141	2	20
1,3-Dichloropropane	ug/L	ND	50	50	51.9	49.7	104	99	62-127	4	20
1,4-Dichlorobenzene	ug/L	ND	50	50	48.5	48.2	97	96	30-139	1	20
2,2-Dichloropropane	ug/L	ND	50	50	38.2	39.0	76	78	37-139	2	20
2-Butanone (MEK)	ug/L	ND	250	250	252	249	101	100	37-156	1	20
2-Chlorotoluene	ug/L	ND	50	50	51.7	50.5	103	101	27-142	2	20
2-Hexanone	ug/L	ND	250	250	250	246	100	99	44-143	1	20
4-Chlorotoluene	ug/L	ND	50	50	47.7	47.6	95	95	27-144	0	20
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	254	243	101	97	46-144	4	20

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

Parameter	Units	5078784011		MSD		902193		% Rec	MSD % Rec	Max RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	% Rec					
Acetone	ug/L	ND	250	250	253	261	101	104	39-156	3	20	
Acrolein	ug/L	ND	1000	1000	948	965	95	96	33-200	2	20	
Acrylonitrile	ug/L	ND	1000	1000	1010	1010	101	101	48-149	0	20	
Benzene	ug/L	ND	50	50	46.8	46.6	94	93	62-129	0	20	
Bromobenzene	ug/L	ND	50	50	54.0	53.5	108	107	39-140	1	20	
Bromoform	ug/L	ND	50	50	51.3	47.0	103	94	49-142	9	20	
Bromochloromethane	ug/L	ND	50	50	52.0	52.1	104	104	50-142	0	20	
Bromodichloromethane	ug/L	ND	50	50	32.6	37.1	65	74	36-125	13	20	
Bromoform	ug/L	ND	50	50	50.8	57.3	102	115	13-179	12	20	
Bromomethane	ug/L	ND	50	50	57.3	55.8	115	112	54-150	3	20	
Carbon disulfide	ug/L	ND	100	100	93.1	97.5	93	98	45-142	5	20	
Carbon tetrachloride	ug/L	ND	50	50	44.3	47.5	89	95	46-142	7	20	
Chlorobenzene	ug/L	ND	50	50	50.6	50.1	101	100	49-136	1	20	
Chloroethane	ug/L	ND	50	50	60.9	64.0	122	128	47-160	5	20	
Chloroform	ug/L	ND	50	50	57.3	55.8	115	112	54-150	3	20	
Chloromethane	ug/L	ND	50	50	47.3	50.3	95	101	30-148	6	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	47.8	47.0	96	94	60-135	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.4	44.3	87	89	52-123	2	20	
Dibromochloromethane	ug/L	ND	50	50	41.9	44.0	84	88	48-125	5	20	
Dibromomethane	ug/L	ND	50	50	61.0	57.3	122	115	59-134	6	20	
Dichlorodifluoromethane	ug/L	ND	50	50	67.5	70.7	135	141	24-197	5	20	
Ethyl methacrylate	ug/L	ND	200	200	201	200	100	100	55-139	0	20	
Ethylbenzene	ug/L	ND	50	50	50.9	49.2	102	98	28-153	3	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	47.5	45.0	95	90	10-176	5	20	
Iodomethane	ug/L	ND	100	100	94.0	103	94	103	17-157	9	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	56.0	55.4	112	111	18-152	1	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	112	110	112	110	63-130	2	20	
Methylene Chloride	ug/L	ND	50	50	47.0	48.9	94	98	45-156	4	20	
n-Butylbenzene	ug/L	ND	50	50	48.7	48.2	97	96	10-161	1	20	
n-Hexane	ug/L	ND	50	50	49.3	47.4	99	95	33-144	4	20	N2
n-Propylbenzene	ug/L	ND	50	50	48.4	47.5	97	95	16-150	2	20	
Naphthalene	ug/L	ND	50	50	44.8	43.5	90	87	39-140	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	51.1	51.0	102	102	10-163	0	20	
sec-Butylbenzene	ug/L	ND	50	50	52.1	50.9	104	102	10-160	2	20	
Styrene	ug/L	ND	50	50	53.3	52.0	107	104	36-139	2	20	
tert-Butylbenzene	ug/L	ND	50	50	41.8	41.4	84	83	12-134	1	20	
Tetrachloroethene	ug/L	ND	50	50	47.4	46.9	95	94	33-151	1	20	
Toluene	ug/L	ND	50	50	48.8	46.0	98	92	50-132	6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.9	54.0	110	108	40-153	2	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	41.8	42.7	84	85	48-122	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	190	190	95	95	32-139	0	20	
Trichloroethene	ug/L	59.9	50	50	115	111	110	103	50-143	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	54.5	58.1	109	116	60-175	6	20	
Vinyl acetate	ug/L	ND	200	200	158	147	79	74	70-130	7	20	
Vinyl chloride	ug/L	ND	50	50	49.8	50.6	100	101	44-145	2	20	
Xylene (Total)	ug/L	ND	150	150	154	152	103	101	29-145	2	20	
4-Bromofluorobenzene (S)	%.						112	111	80-114			
Dibromofluoromethane (S)	%.						107	107	79-116			

## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:				902192	902193						
Parameter	Units	5078784011	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD RPD	Max Qual
Toluene-d8 (S)	%.						97	95	81-110		



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## **QUALITY CONTROL DATA**

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

QC Batch: MSV/52282 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 5078784015, 5078784016, 5078784017, 5078784018, 5078784019, 5078784020

METHOD BLANK: 902199 Matrix: Water

Associated Lab Samples: 5078784015, 5078784016, 5078784017, 5078784018, 5078784019, 5078784020

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,1,1-Trichloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,1-Dichloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,1-Dichloroethene	ug/L	ND	5.0	04/18/13 23:59	
1,1-Dichloropropene	ug/L	ND	5.0	04/18/13 23:59	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
1,2,3-Trichloropropane	ug/L	ND	5.0	04/18/13 23:59	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	04/18/13 23:59	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/18/13 23:59	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
1,2-Dichloroethane	ug/L	ND	5.0	04/18/13 23:59	
1,2-Dichloropropane	ug/L	ND	5.0	04/18/13 23:59	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	04/18/13 23:59	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
1,3-Dichloropropane	ug/L	ND	5.0	04/18/13 23:59	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
2,2-Dichloropropane	ug/L	ND	5.0	04/18/13 23:59	
2-Butanone (MEK)	ug/L	ND	25.0	04/18/13 23:59	
2-Chlorotoluene	ug/L	ND	5.0	04/18/13 23:59	
2-Hexanone	ug/L	ND	25.0	04/18/13 23:59	
4-Chlorotoluene	ug/L	ND	5.0	04/18/13 23:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/18/13 23:59	
Acetone	ug/L	ND	100	04/18/13 23:59	
Acrolein	ug/L	ND	50.0	04/18/13 23:59	
Acrylonitrile	ug/L	ND	100	04/18/13 23:59	
Benzene	ug/L	ND	5.0	04/18/13 23:59	
Bromobenzene	ug/L	ND	5.0	04/18/13 23:59	
Bromochloromethane	ug/L	ND	5.0	04/18/13 23:59	
Bromodichloromethane	ug/L	ND	5.0	04/18/13 23:59	
Bromoform	ug/L	ND	5.0	04/18/13 23:59	
Bromomethane	ug/L	ND	5.0	04/18/13 23:59	
Carbon disulfide	ug/L	ND	10.0	04/18/13 23:59	
Carbon tetrachloride	ug/L	ND	5.0	04/18/13 23:59	
Chlorobenzene	ug/L	ND	5.0	04/18/13 23:59	
Chloroethane	ug/L	ND	5.0	04/18/13 23:59	
Chloroform	ug/L	ND	5.0	04/18/13 23:59	
Chloromethane	ug/L	ND	5.0	04/18/13 23:59	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/18/13 23:59	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/18/13 23:59	
Dibromochloromethane	ug/L	ND	5.0	04/18/13 23:59	

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## **REPORT OF LABORATORY ANALYSIS**

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

METHOD BLANK: 902199

Matrix: Water

Associated Lab Samples: 5078784015, 5078784016, 5078784017, 5078784018, 5078784019, 5078784020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	04/18/13 23:59	
Dichlorodifluoromethane	ug/L	ND	5.0	04/18/13 23:59	
Ethyl methacrylate	ug/L	ND	100	04/18/13 23:59	
Ethylbenzene	ug/L	ND	5.0	04/18/13 23:59	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/18/13 23:59	
Iodomethane	ug/L	ND	10.0	04/18/13 23:59	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/18/13 23:59	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/18/13 23:59	
Methylene Chloride	ug/L	ND	5.0	04/18/13 23:59	
n-Butylbenzene	ug/L	ND	5.0	04/18/13 23:59	
n-Hexane	ug/L	ND	5.0	04/18/13 23:59	N2
n-Propylbenzene	ug/L	ND	5.0	04/18/13 23:59	
Naphthalene	ug/L	ND	5.0	04/18/13 23:59	
p-Isopropyltoluene	ug/L	ND	5.0	04/18/13 23:59	
sec-Butylbenzene	ug/L	ND	5.0	04/18/13 23:59	
Styrene	ug/L	ND	5.0	04/18/13 23:59	
tert-Butylbenzene	ug/L	ND	5.0	04/18/13 23:59	
Tetrachloroethene	ug/L	ND	5.0	04/18/13 23:59	
Toluene	ug/L	ND	5.0	04/18/13 23:59	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/18/13 23:59	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/18/13 23:59	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	04/18/13 23:59	
Trichloroethene	ug/L	ND	5.0	04/18/13 23:59	
Trichlorofluoromethane	ug/L	ND	5.0	04/18/13 23:59	
Vinyl acetate	ug/L	ND	50.0	04/18/13 23:59	
Vinyl chloride	ug/L	ND	2.0	04/18/13 23:59	
Xylene (Total)	ug/L	ND	10.0	04/18/13 23:59	
4-Bromofluorobenzene (S)	%.	104	80-114	04/18/13 23:59	
Dibromofluoromethane (S)	%.	108	79-116	04/18/13 23:59	
Toluene-d8 (S)	%.	92	81-110	04/18/13 23:59	

LABORATORY CONTROL SAMPLE: 902200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	41.5	83	61-135	
1,1,1-Trichloroethane	ug/L	50	49.2	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	43.2	86	66-126	
1,1,2-Trichloroethane	ug/L	50	50.4	101	77-130	
1,1-Dichloroethane	ug/L	50	49.8	100	75-130	
1,1-Dichloroethene	ug/L	50	42.1	84	68-127	
1,1-Dichloropropene	ug/L	50	54.2	108	78-130	
1,2,3-Trichlorobenzene	ug/L	50	49.0	98	70-130	
1,2,3-Trichloropropane	ug/L	50	53.0	106	58-142	
1,2,4-Trichlorobenzene	ug/L	50	41.5	83	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.4	101	69-127	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

LABORATORY CONTROL SAMPLE: 902200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	76-125	
1,2-Dichlorobenzene	ug/L	50	48.9	98	75-123	
1,2-Dichloroethane	ug/L	50	53.6	107	75-128	
1,2-Dichloropropane	ug/L	50	55.0	110	74-121	
1,3,5-Trimethylbenzene	ug/L	50	50.3	101	70-126	
1,3-Dichlorobenzene	ug/L	50	47.3	95	74-122	
1,3-Dichloropropane	ug/L	50	53.3	107	74-123	
1,4-Dichlorobenzene	ug/L	50	47.8	96	76-120	
2,2-Dichloropropane	ug/L	50	38.9	78	50-137	
2-Butanone (MEK)	ug/L	250	253	101	58-139	
2-Chlorotoluene	ug/L	50	49.2	98	74-122	
2-Hexanone	ug/L	250	266	106	54-140	
4-Chlorotoluene	ug/L	50	47.4	95	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	234	93	58-138	
Acetone	ug/L	250	274	110	49-150	
Acrolein	ug/L	1000	835	84	41-200	
Acrylonitrile	ug/L	1000	963	96	63-137	
Benzene	ug/L	50	43.0	86	74-122	
Bromobenzene	ug/L	50	54.3	109	72-127	
Bromochloromethane	ug/L	50	42.0	84	63-132	
Bromodichloromethane	ug/L	50	47.0	94	62-136	
Bromoform	ug/L	50	36.0	72	44-134	
Bromomethane	ug/L	50	47.0	94	22-181	
Carbon disulfide	ug/L	100	83.7	84	59-132	
Carbon tetrachloride	ug/L	50	41.9	84	56-137	
Chlorobenzene	ug/L	50	48.1	96	78-123	
Chloroethane	ug/L	50	55.6	111	60-144	
Chloroform	ug/L	50	49.7	99	78-126	
Chloromethane	ug/L	50	42.0	84	42-134	
cis-1,2-Dichloroethene	ug/L	50	44.8	90	75-122	
cis-1,3-Dichloropropene	ug/L	50	45.2	90	64-126	
Dibromochloromethane	ug/L	50	44.8	90	58-128	
Dibromomethane	ug/L	50	50.9	102	73-125	
Dichlorodifluoromethane	ug/L	50	58.3	117	35-181	
Ethyl methacrylate	ug/L	200	184	92	69-133	
Ethylbenzene	ug/L	50	48.8	98	66-133	
Hexachloro-1,3-butadiene	ug/L	50	48.4	97	59-145	
Iodomethane	ug/L	100	84.1	84	21-170	
Isopropylbenzene (Cumene)	ug/L	50	55.5	111	69-124	
Methyl-tert-butyl ether	ug/L	100	111	111	69-122	
Methylene Chloride	ug/L	50	45.2	90	68-132	
n-Butylbenzene	ug/L	50	41.9	84	70-126	
n-Hexane	ug/L	50	48.1	96	51-125 N2	
n-Propylbenzene	ug/L	50	47.1	94	71-122	
Naphthalene	ug/L	50	42.6	85	68-127	
p-Isopropyltoluene	ug/L	50	44.5	89	72-132	
sec-Butylbenzene	ug/L	50	49.5	99	70-128	
Styrene	ug/L	50	52.9	106	74-126	

Date: 04/24/2013 12:25 PM

## REPORT OF LABORATORY ANALYSIS

Page 53 of 56

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without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

LABORATORY CONTROL SAMPLE: 902200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	44.4	89	51-118	
Tetrachloroethene	ug/L	50	48.3	97	69-130	
Toluene	ug/L	50	43.8	88	72-122	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	72-124	
trans-1,3-Dichloropropene	ug/L	50	43.7	87	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	183	92	56-133	
Trichloroethene	ug/L	50	56.5	113	76-126	
Trichlorofluoromethane	ug/L	50	46.7	93	76-149	
Vinyl acetate	ug/L	200	187	94	70-130	
Vinyl chloride	ug/L	50	40.0	80	59-126	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			113	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			92	81-110	

## QUALIFIERS

Project: Genuine Parts/2125641E

Pace Project No.: 5078784

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

N2 The lab does not hold TNI accreditation for this parameter.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Genuine Parts/2125641E  
Pace Project No.: 5078784

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5078784001	MW-154	EPA 8260	MSV/52281		
5078784002	MW-165S	EPA 8260	MSV/52281		
5078784003	MW-165D	EPA 8260	MSV/52281		
5078784004	MW-166S	EPA 8260	MSV/52281		
5078784005	MW-166D	EPA 8260	MSV/52281		
5078784006	MW-151	EPA 8260	MSV/52281		
5078784007	MW-164	EPA 8260	MSV/52281		
5078784008	MW-150	EPA 8260	MSV/52281		
5078784009	MW-146	EPA 8260	MSV/52281		
5078784010	Trip Blank	EPA 8260	MSV/52281		
5078784011	MW-152	EPA 8260	MSV/52281		
5078784012	MW-156	EPA 8260	MSV/52281		
5078784013	MW-148R	EPA 8260	MSV/52281		
5078784014	MW-167D	EPA 8260	MSV/52281		
5078784015	MW-173	EPA 8260	MSV/52282		
5078784016	Equipment Blank	EPA 8260	MSV/52282		
5078784017	MW-163	EPA 8260	MSV/52282		
5078784018	MW-153	EPA 8260	MSV/52282		
5078784019	MW-153 Dup.	EPA 8260	MSV/52282		
5078784020	MW-10-1R	EPA 8260	MSV/52282		



## CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:																																																																																																																																																							
Company: ENVIRON	Report To: FRANK WEST	Address: One Indiana Square, 14232	Copy To:	Company Name:	Attention:																																																																																																																																																						
Address: Indianapolis IN 46204	Purchase Order No.:			Address:																																																																																																																																																							
E-mail: West@environcorp.com	Project Name: Genuine Parts			Phone: 317-803-4602	Project Number: 2125641E																																																																																																																																																						
Phone: 317-803-4602	Project Manager: Mick Magee			Fax:	Project Profile #: 8260																																																																																																																																																						
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Pace Analytical®  
[www.pacelabs.com](http://www.pacelabs.com)

## **CHAIN-OF-CUSTODY / Analytical Request Document**

Analytica  
www.paracelsus.com

**Sample Condition Upon Receipt**

*Pace Analytical*

Client Name: ENVIRON

Project # 5078784

Courier:  FedEx  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Date/Time 5035A kits placed in freezer

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

ICE Formblocks

Thermometer Used 1 2 3 4 6 A B C D E

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature

2.1

Ice Visible in Sample Containers:

yes  no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents 4/11/13 Kelly

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. (Circle) HNO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub> NaOH HCl
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review:		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review:

M. Mayor

Date:

4/11/13

CLIENT: Environment

### Sample Container Count



Sample Line

COC PAGE 1 of 3  
COC ID# 11000000

Project #

5078784

Container Codes

DG9H	40mL HCl amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JGFU	4oz unpreserved amber wide
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	Wipe/Swab	Wipe/Swab
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	Summa Can	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VGGU	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCl
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLIC	Zplioc Ban

# Sample Container Count

CLIENT: ENVIRON

COC PAGE 2 of 2  
COC ID# 1000000000

Project #

5078784

## Sample Line

Item	DG9H	AG1U	WG FU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

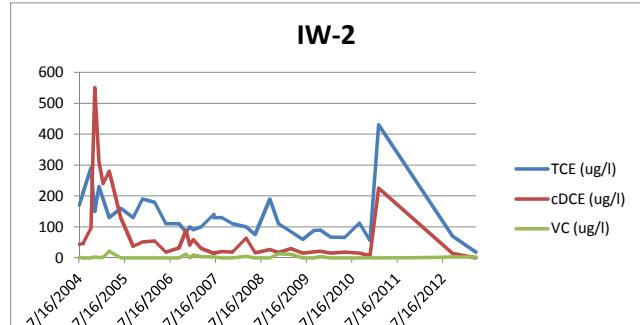
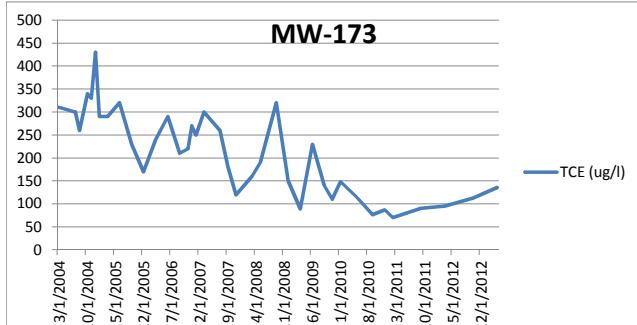
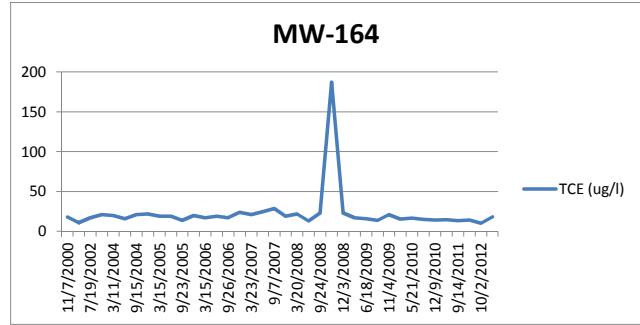
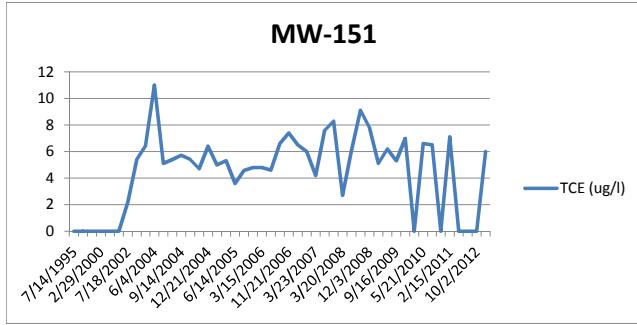
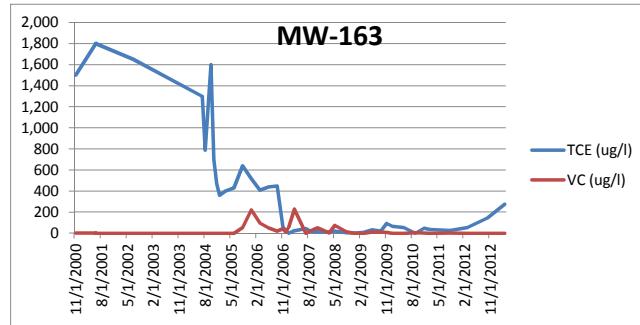
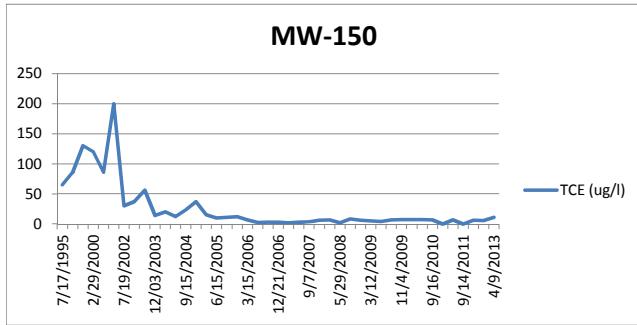
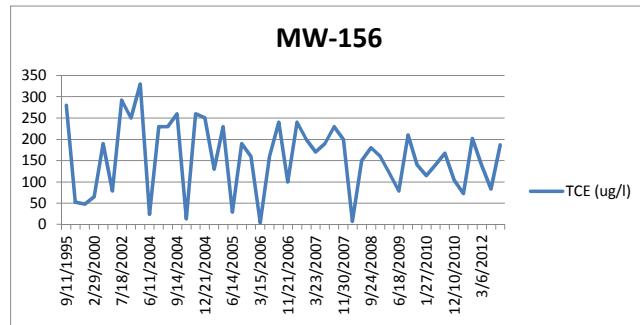
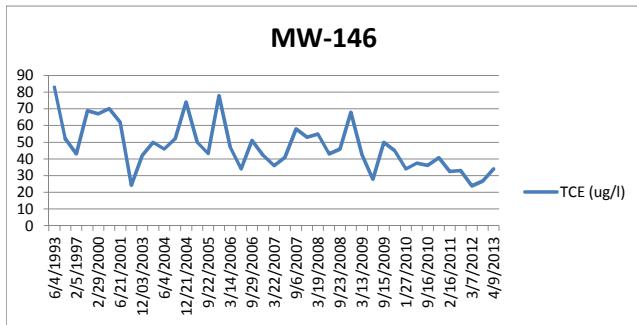
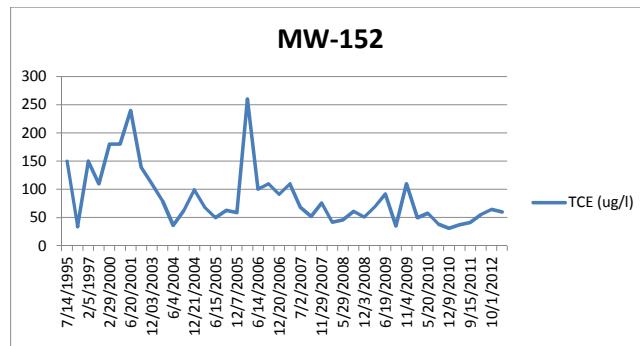
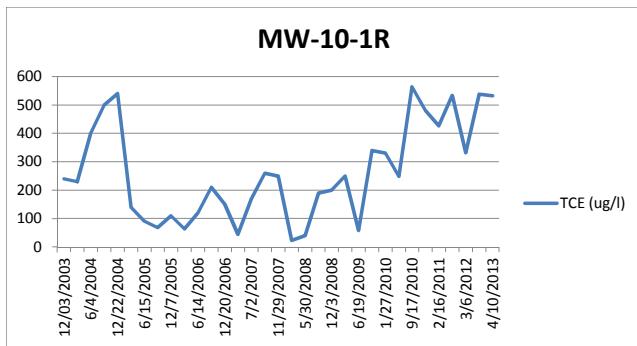
## Container Codes

DG9H	40mL HCl amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	BP1S	1 liter H2SO4 plastic	BP1U	1 liter H2SO4 amber glass	BP2A	500mL NaOH, Asc Acid plastic	BP2I	1 liter HNO3 amber glass	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	BP1U	1 liter unpreserved plastic	BP1U	1 liter unpreserved plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2I	1 liter H2SO4 amber glass	DG9S	40mL H2SO4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	BP1U	1 liter Na Thiosulfate amber gl	BP1T	1 liter Na Thiosulfate amber gl	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1U	1 liter Na Thiosulfate amber gl	BP1U	1 liter NaOH, Zn, Ac	BP1Z	1 liter NaOH, Zn, Ac	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2I	1 liter H2SO4 amber glass	BP2I	1 liter H2SO4 amber glass	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	BP2U	500mL H2SO4 amber glass	BP2U	500mL H2SO4 amber glass	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP22	500mL NaOH, Zn Ac	BP22	500mL NaOH, Zn Ac	BP22	500mL NaOH, Zn Ac	BP2U	500mL H2SO4 amber glass	BP2U	500mL H2SO4 amber glass	J	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	AF	Air Filter	AF	Air Filter	VG9H	40mL HCl clear vial	VG9H	40mL HCl clear vial	VG9H	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	BP3C	250mL NaOH plastic	BP3C	250mL NaOH plastic	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	VGGU	40mL unpreserved clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	C	Air Cassettes	C	Air Cassettes	VSG	Headspace septa vial & HCl
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	DG9B	40mL Na Bisulfite amber vial	DG9B	40mL Na Bisulfite amber vial	DG9B	40mL Na Bisulfite amber vial	DG9M	40mL MeOH clear vial	DG9M	40mL MeOH clear vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	BP1A	1 liter NaOH, Asc Acid plastic	BP1A	1 liter NaOH, Asc Acid plastic	BP1A	1 liter NaOH, Asc Acid plastic	ZPLC	Ziploc Bag	ZPLC	Ziploc Bag		

## **Appendix D**

### **Groundwater Concentration Graphs**

**Groundwater Concentration Graphs**  
**East On-Site Source Area and East off-Site Bioremediation Area**



Groundwater Concentration Graphs  
West Source Area

